



PORTABLE DVD PLAYER

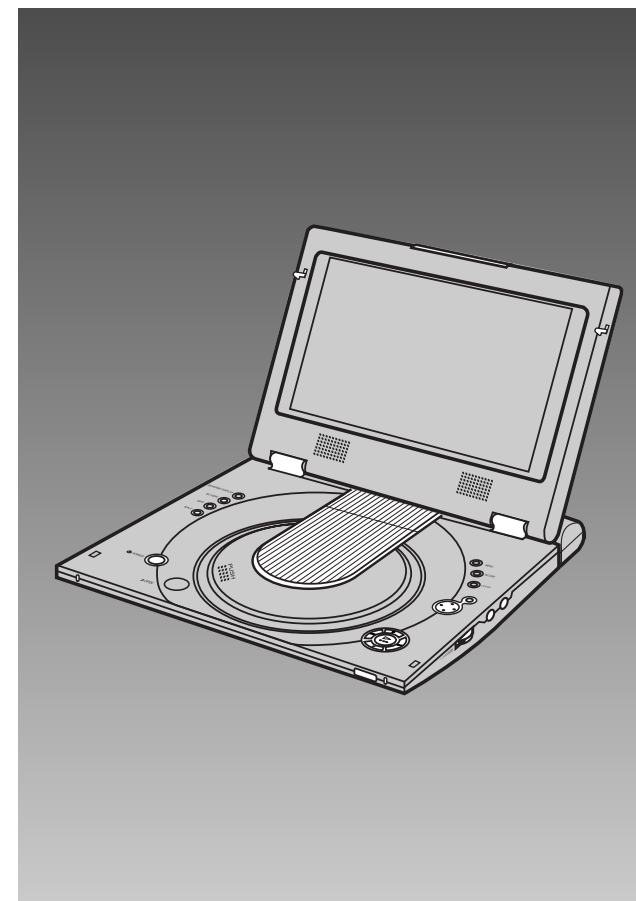
DVD-L200W

DVD-L200

SERVICE *Manual*

PORTABLE DVD PLAYER

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SAMSUNG

SERVICE MANUAL

DVD-L200W/DVD-L200

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1. Precautions

1-1 Safety Precautions

1) Before returning an instrument to the customer, always make a safety check of the entire instrument, including, but not limited to, the following items:

(1) Be sure that no built-in protective devices are defective or have been defeated during servicing. (1) Protective shields are provided to protect both the technician and the customer. Correctly replace all missing protective shields, including any removed for servicing convenience.

(2) When reinstalling the chassis and/or other assembly in the cabinet, be sure to put back in place all protective devices, including, but not limited to, nonmetallic control knobs, insulating fish papers, adjustment and compartment covers/shields, and isolation resistor/capacitor networks. Do not operate this instrument or permit it to be operated without all protective devices correctly installed and functioning.

(2) Be sure that there are no cabinet openings through which adults or children might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to, excessively wide cabinet ventilation slots, and an improperly fitted and/or incorrectly secured cabinet back cover.

(3) Leakage Current Hot Check-With the instrument completely reassembled, plug the AC line cord directly into a 120V AC outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI) C101.1 Leakage Current for Appliances and Underwriters Laboratories (UL) 1270 (40.7). With the instrument's AC switch first in the ON position and then in the OFF position, measure from a known earth ground (metal water pipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle brackets, metal cabinets, screwheads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis.

Any current measured must not exceed 0.5mA. Reverse the instrument power cord plug in the outlet and repeat the test. See Fig. 1-1.

Any measurements not within the limits specified herein indicate a potential shock hazard that must be eliminated before returning the instrument to the customer.

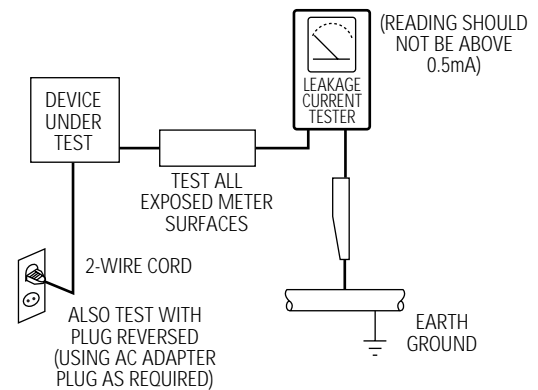


Fig. 1-1 AC Leakage Test

(4) Insulation Resistance Test Cold Check-(1) Unplug the power supply cord and connect a jumper wire between the two prongs of the plug. (2) Turn on the power switch of the instrument. (3) Measure the resistance with an ohmmeter between the jumpered AC plug and all exposed metallic cabinet parts on the instrument, such as screwheads, antenna, control shafts, handle brackets, etc. When an exposed metallic part has a return path to the chassis, the reading should be between 1 and 5.2 megohm. When there is no return path to the chassis, the reading must be infinite. If the reading is not within the limits specified, there is the possibility of a shock hazard, and the instrument must be repaired and rechecked before it is returned to the customer. See Fig. 1-2.

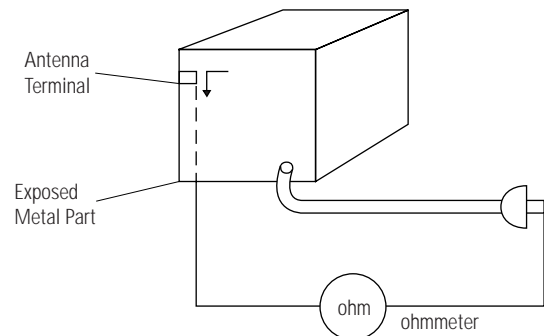




Fig. 1-2 Insulation Resistance Test

- 2) Read and comply with all caution and safety related notes on or inside the cabinet, or on the chassis.
- 3) Design Alteration Warning-Do not alter or add to the mechanical or electrical design of this instrument. Design alterations and additions, including but not limited to, circuit modifications and the addition of items such as auxiliary audio output connections, might alter the safety characteristics of this instrument and create a hazard to the user. Any design alterations or additions will make you, the servicer, responsible for personal injury or property damage resulting therefrom.
- 4) Observe original lead dress. Take extra care to assure correct lead dress in the following areas:
 - (1) near sharp edges, (2) near thermally hot parts (be sure that leads and components do not touch thermally hot parts), (3) the AC supply, (4) high voltage, and (5) antenna wiring. Always inspect in all areas for pinched, out-of-place, or frayed wiring. Do not change spacing between a component and the printed-circuit board. Check the AC power cord for damage.
- 5) Components, parts, and/or wiring that appear to have overheated or that are otherwise damaged should be replaced with components, parts and/or wiring that meet original specifications. Additionally, determine the cause of overheating and/or damage and, if necessary, take corrective action to remove any potential safety hazard.
- 6) Product Safety Notice-Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection, nor can the protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by shading, an () or a () on schematics and parts lists. Use of a substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2 Servicing Precautions

CAUTION : Before servicing units covered by this service manual and its supplements, read and follow the Safety Precautions section of this manual.

Note : If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions. Remember: Safety First.

1-2-1 General Servicing Precautions

- (1) a. Always unplug the instrument's AC power cord from the AC power source before (1) re-moving or reinstalling any component, circuit board, module or any other instrument assembly, (2) disconnecting any instrument electrical plug or other electrical connection, (3) connecting a test substitute in parallel with an electrolytic capacitor in the instrument.
- b. Do not defeat any plug/socket B+ voltage interlocks with which instruments covered by this service manual might be equipped.
- c. Do not apply AC power to this instrument and /or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.
- d. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the test instrument positive lead. Always remove the test instrument ground lead last.

Note : Refer to the Safety Precautions section ground lead last.

- (2) The service precautions are indicated or printed on the cabinet, chassis or components. When servicing, follow the printed or indicated service precautions and service materials.
- (3) The components used in the unit have a specified flame resistance and dielectric strength. When replacing components, use components which have the same ratings. Components identified by shading Δ or ∇ in the circuit diagram are important for safety or for the characteristics of the unit. Always replace them with the exact replacement components.

- (4) An insulation tube or tape is sometimes used and some components are raised above the printed wiring board for safety. The internal wiring is sometimes clamped to prevent contact with heating components. Install such elements as they were.

- (5) After servicing, always check that the removed screws, components, and wiring have been installed correctly and that the portion around the serviced part has not been damaged and so on. Further, check the insulation between the blades of the attachment plug and accessible conductive parts.

1-2-2 Insulation Checking Procedure

Disconnect the attachment plug from the AC outlet and turn the power ON. Connect the insulation resistance meter (500V) to the blades of the attachment plug. The insulation resistance between each blade of the attachment plug and accessible conductive parts(see note) should be more than 1 Megohm.

Note : Accessible conductive parts include metal panels, input terminals, earphone jacks, etc.

1-3 ESD Precautions

Electrostatically Sensitive Devices (ESD)

Some semiconductor (solid state) devices can be damaged easily by static electricity.

Such components commonly are called Electrostatically Sensitive Devices(ESD). Examples of typical ESD devices are integrated circuits and some field-effect transistors and semiconductor chip components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

- (1) Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
- (2) After removing an electrical assembly equipped with ESD devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
- (3) Use only a grounded-tip soldering iron to solder or unsolder ESD devices.
- (4) Use only an anti-static solder removal devices. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESD devices.
- (5) Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESD devices.
- (6) Do not remove a replacement ESD device from its protective package until immediately before your are ready to install it.(Most replacement ESD devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive materials).

- (7) Immediately before removing the protective materials from the leads of a replacement ESD device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

- (8) Minimize bodily motions when handling unpackaged replacement ESD devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ESD device).

1-4 Handling the optical pick-up

The laser diode in the optical pick up may suffer electrostatic breakdown because of potential static electricity from clothing and your body.

The following method is recommended.

- (1) Place a conductive sheet on the work bench (The black sheet used for wrapping repair parts.)
 - (2) Place the set on the conductive sheet so that the chassis is grounded to the sheet.
 - (3) Place your hands on the conductive sheet (This gives them the same ground as the sheet.)
 - (4) Remove the optical pick up block
 - (5) Perform work on top of the conductive sheet. Be careful not to let your clothes or any other static sources to touch the unit.
- ◆ Be sure to put on a wrist strap grounded to the sheet.
 - ◆ Be sure to lay a conductive sheet made of copper etc. Which is grounded to the table.

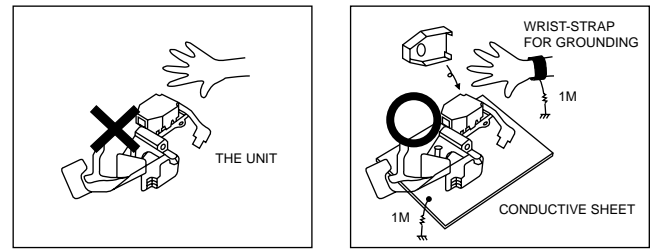


Fig.1-3

- (6) Short the short terminal on the PCB, which is inside the Pick-Up ASS'Y, before replacing the Pick-Up. (The short terminal is shorted when the Pick-Up Ass'y is being lifted or moved.)
- (7) After replacing the Pick-up, open the short terminal on the PCB.

1-5 Pick-up disassembly and reassembly

1-5-1 Disassembly

- 1) Remove the power cord.
- 2) Disassemble the Ass'y-DVD Deck.
- 3) Make solder land 3 points short on Pick-up FPC.
(See Fig. 1-4)
- 4) Disassemble the Pick-up.

1-5-2 Assembly

- 1) Replace the Pick-up.
- 2) Remove the soldering 3 points on Pick-up FPC.
- 3) Reassemble the Ass'y-DVD Deck.

Note : If the assembly and disassembly are not done in correct sequence, the Pick-up may be damaged.

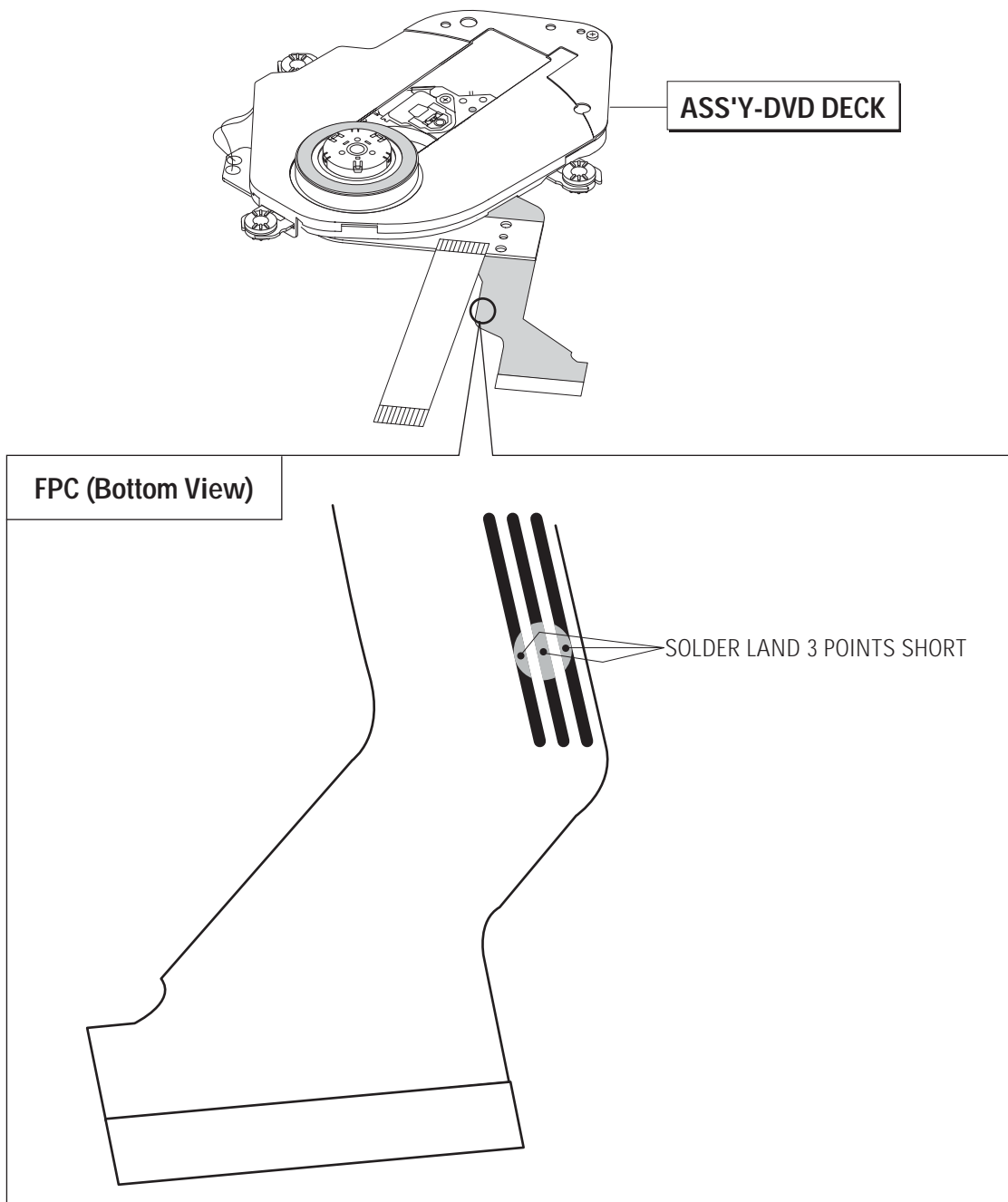
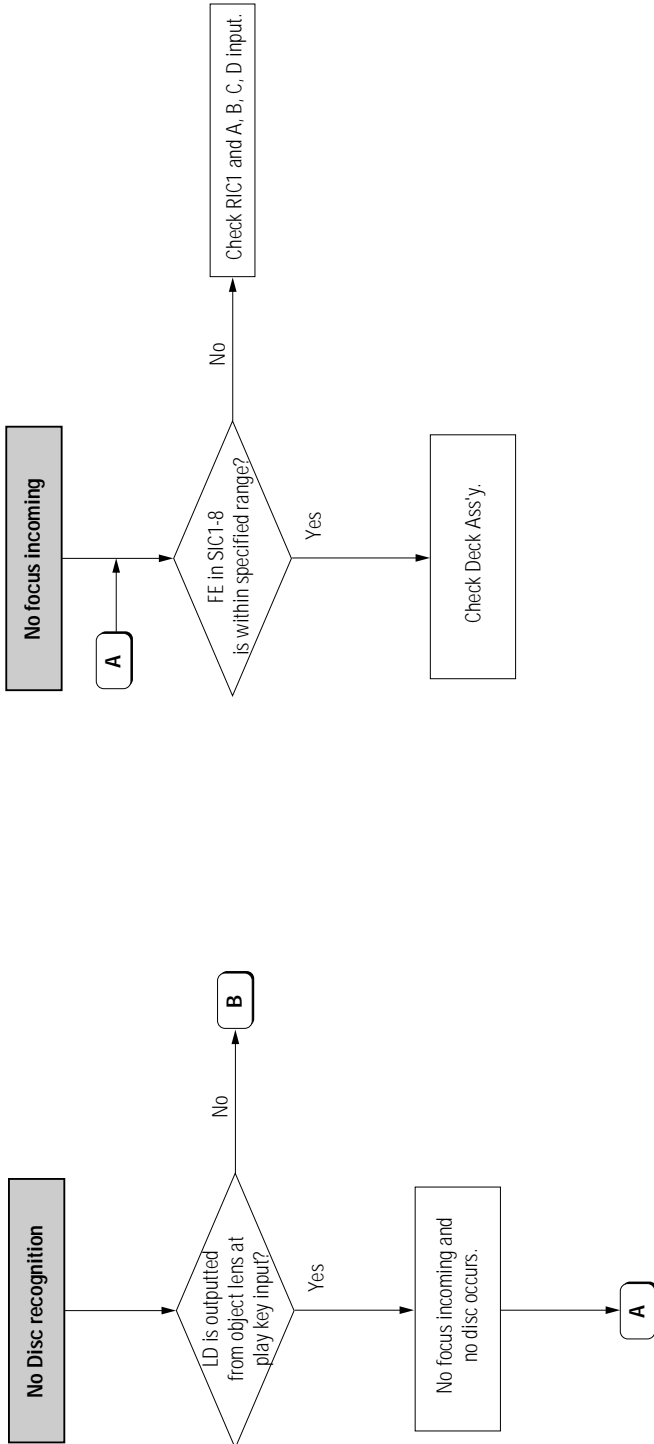
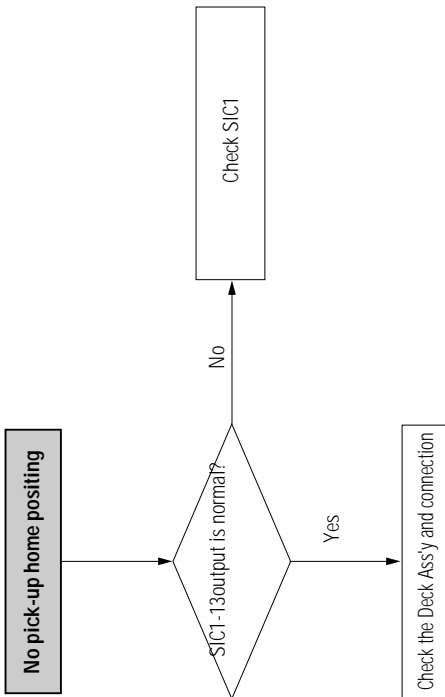
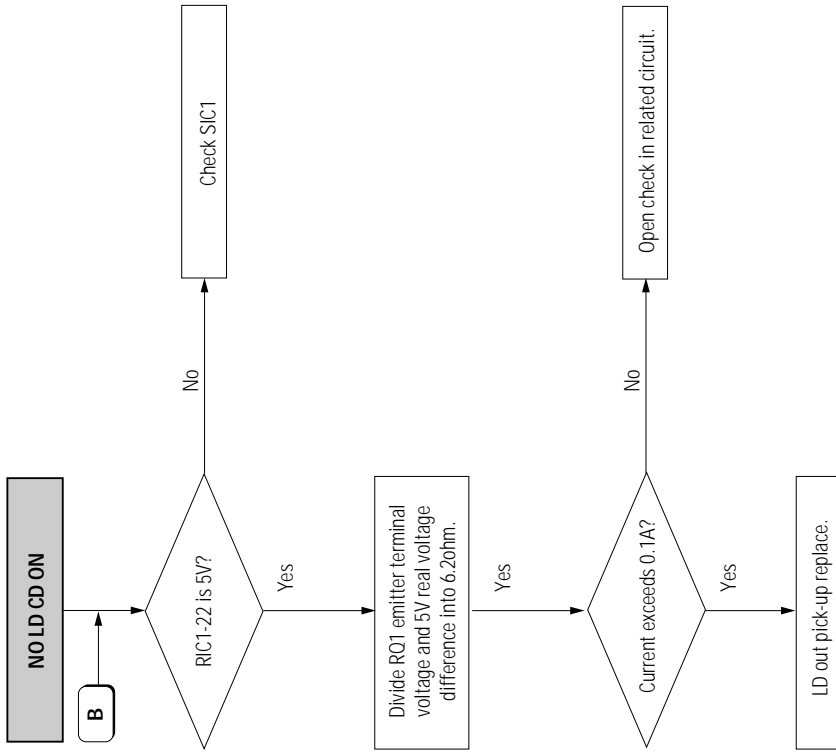
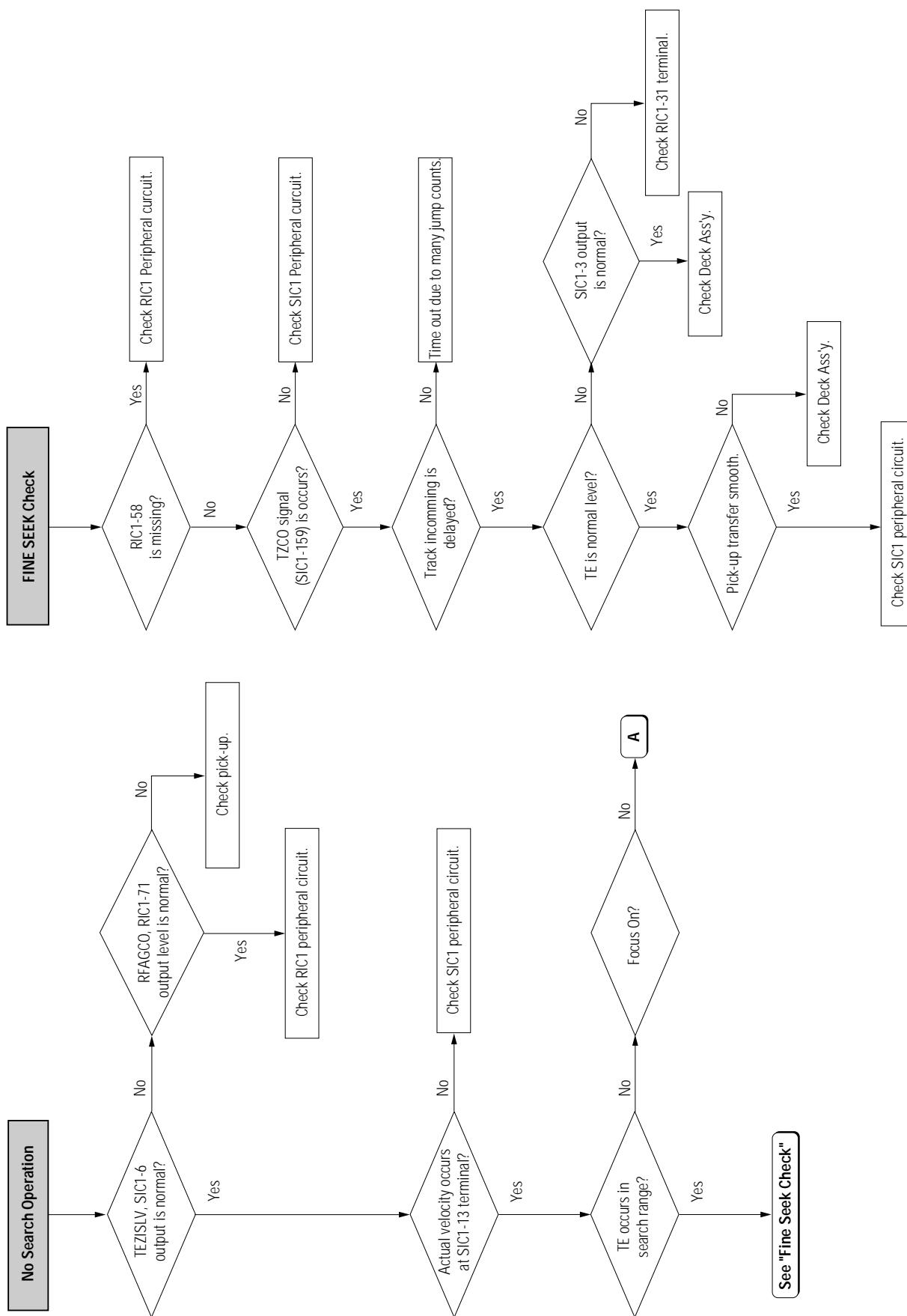


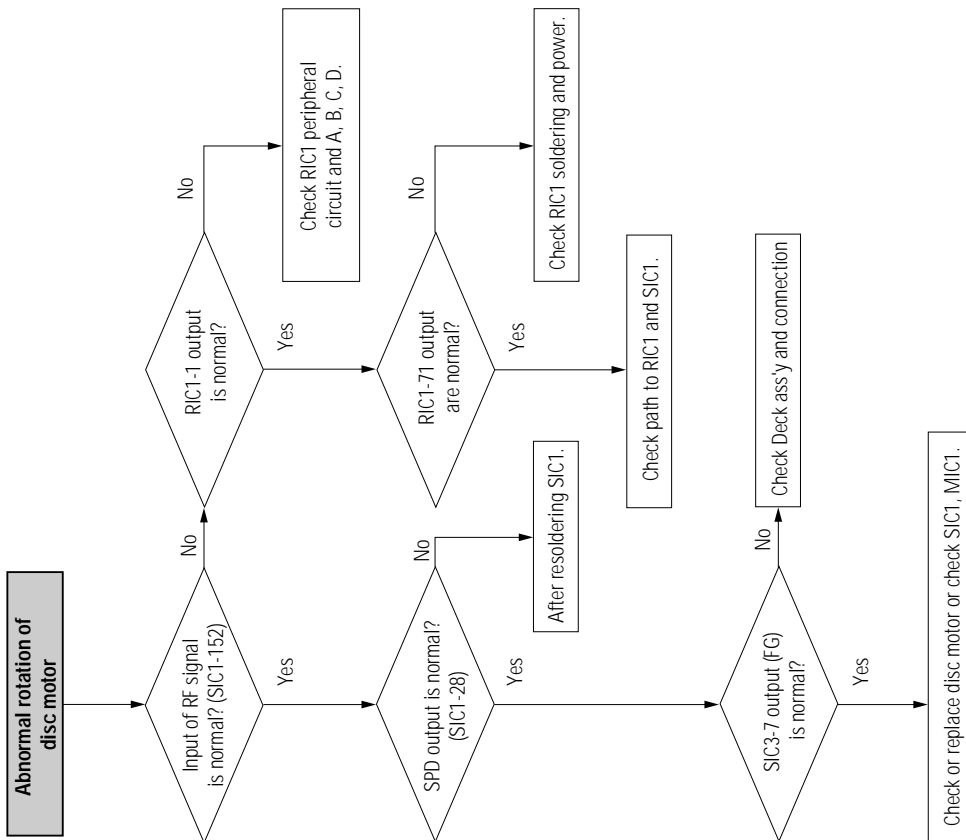
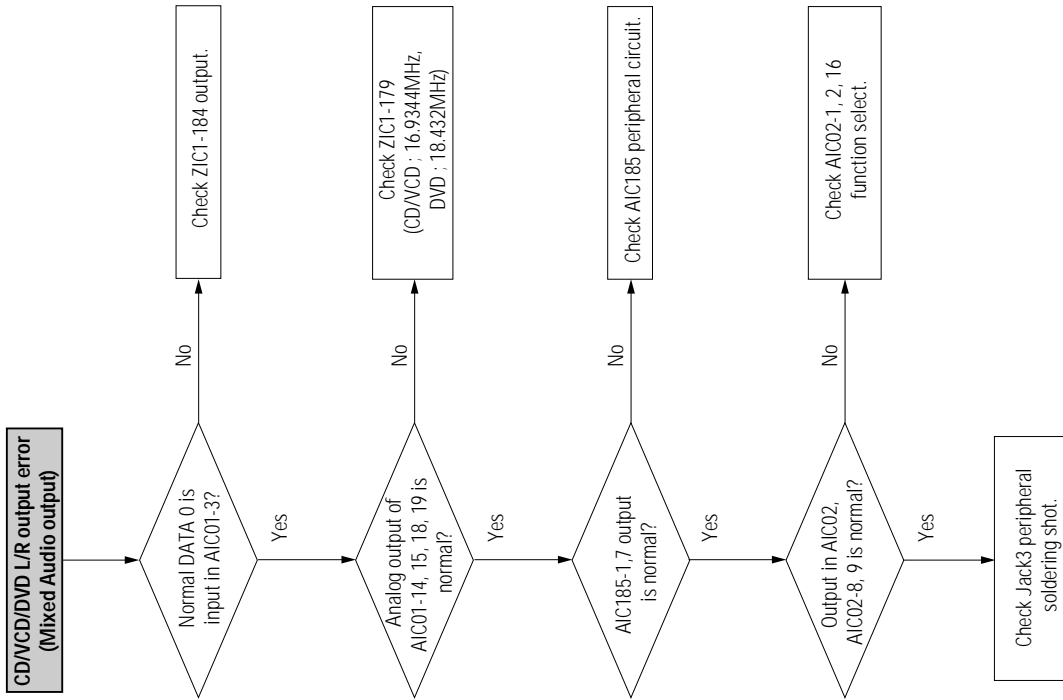
Fig. 1-4

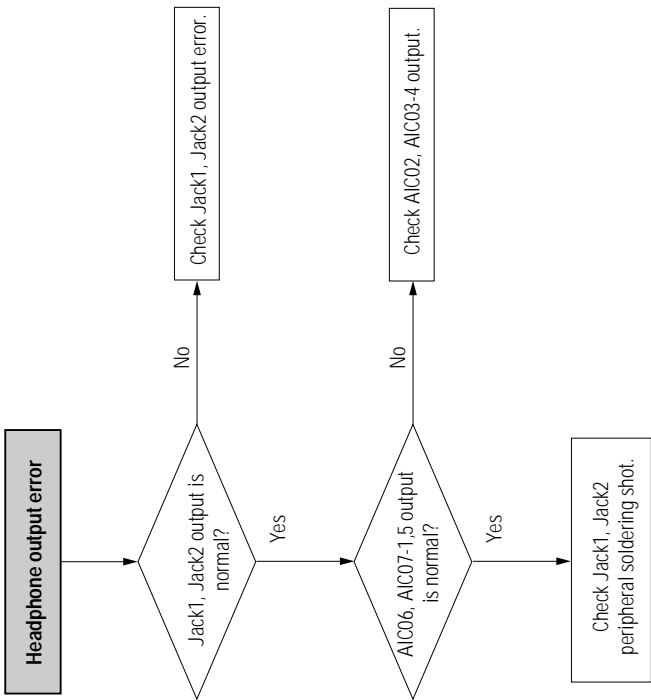
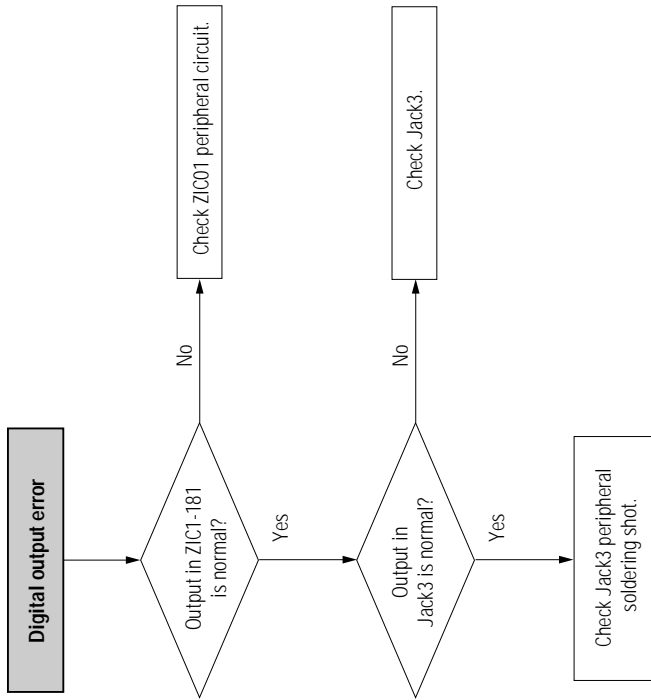
2. Troubleshooting

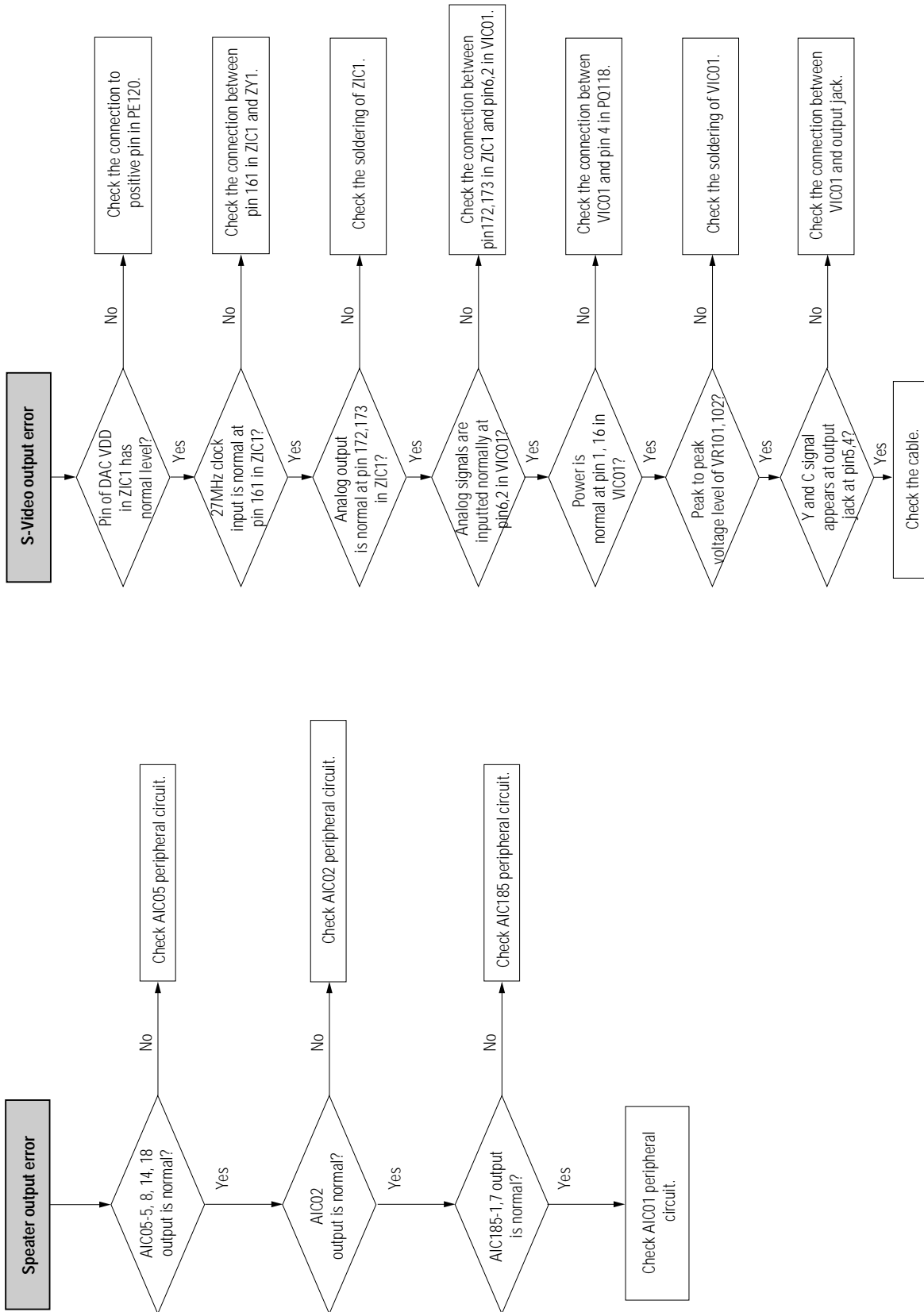


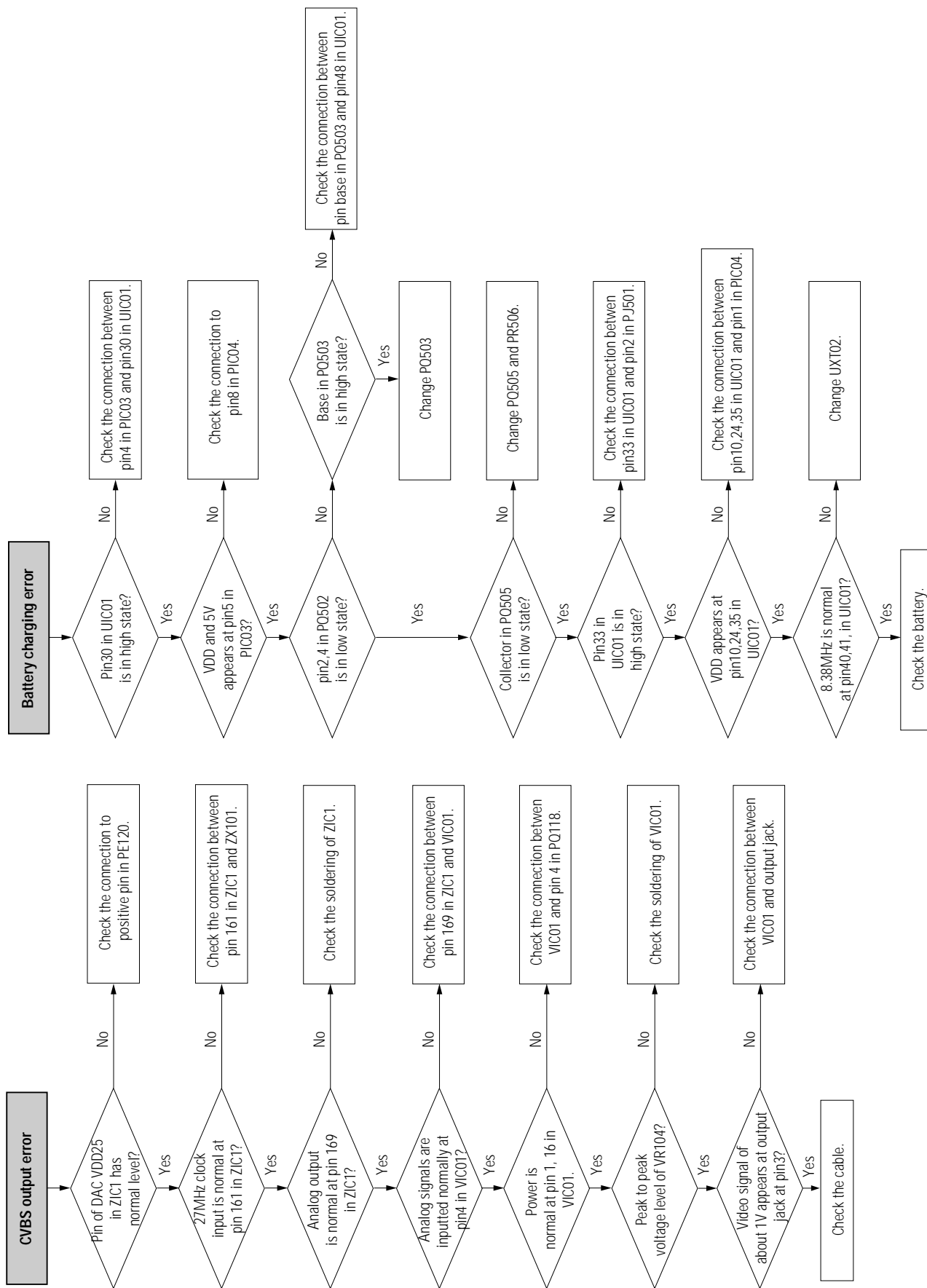


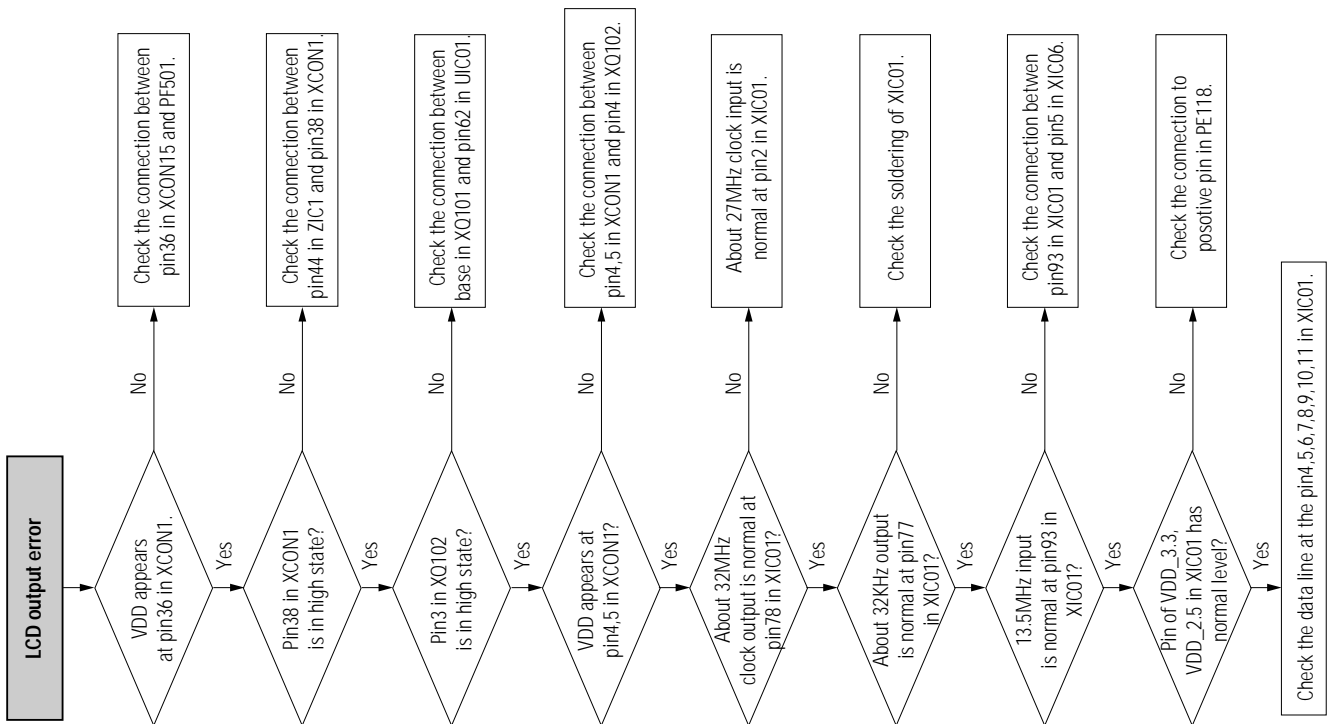












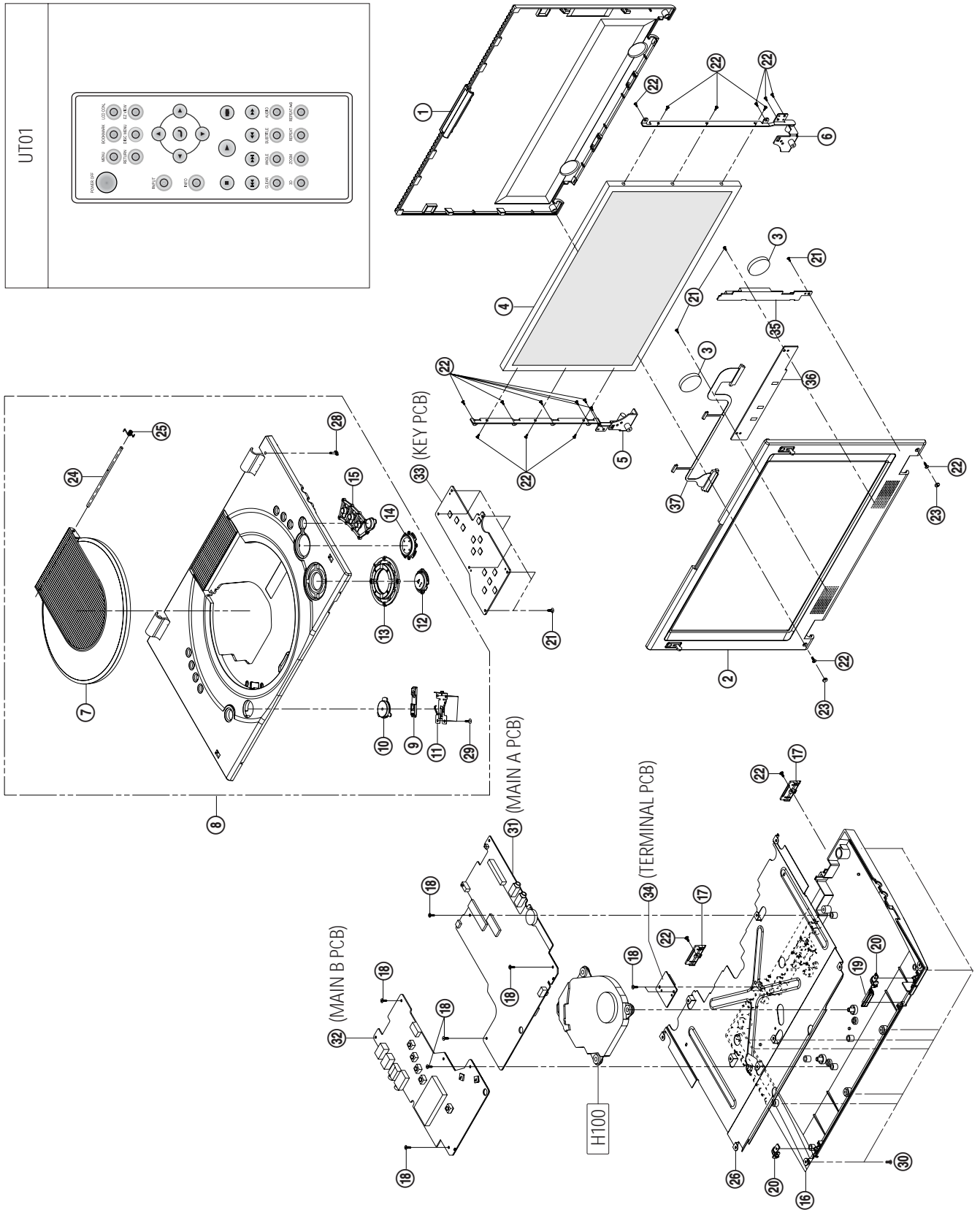
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Notice

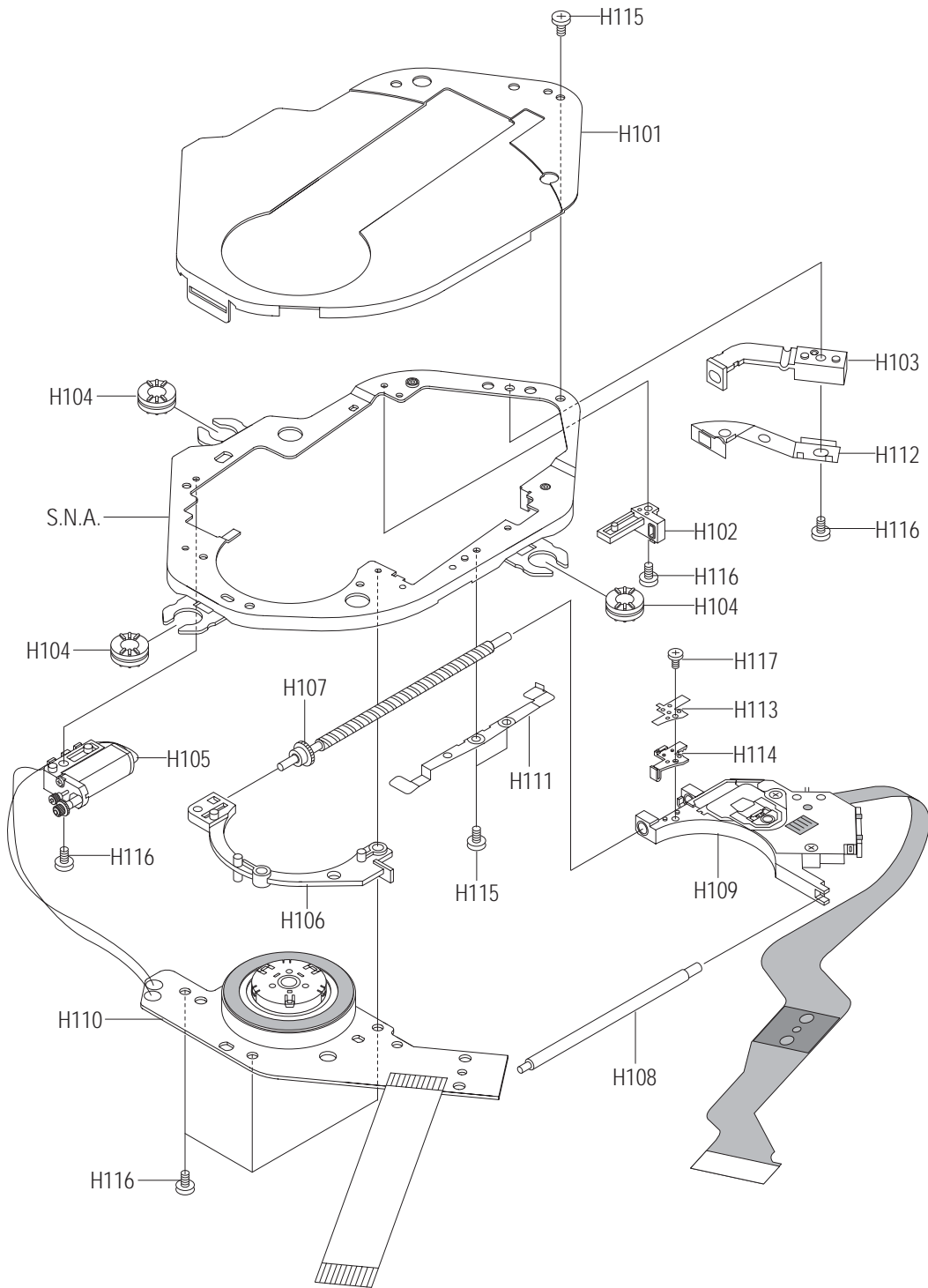
You can search for the updated part code through ITSELF web site.
URL; <http://itself.sec.samsung.co.kr>

3-1 Cabinet Assembly



Loc. No	Parts No.	Description ; Specification	Remark
1	AK97-00448B	ASSY-LCD BACK;ASSY,DVD-L200W,XEF	
2	AK97-00447A	ASSY-LCD FRONT;ASSY,DVD-L200,-	
3	3001-001349	SPEAKER;0.5W,8OHM,74DB,450HZ°æ90HZ	
4	AK07-00001B	LCD-170MMWIRE;10INCH 170mm,DVD-L200,800*	
5	AH61-01319A	HINGE-LEFT;DVD-L200,SUS,TO.8,-,-,-,-,-	
6	AH61-01320A	HINGE-RIGHT;DVD-L200,SUS,TO.8,-,-,-,-,-	
7	AK97-00449A	ASSY-COVER DISC;ASSY,DVD-L200,-	
8	AK97-00444A	ASSY-HOUSIG TOP;ASSY,DVD-L200,-	
9	AH64-02393A	BUTTON-OPEN GUIDE;DVD-L200,ABS 94 HB,-,-,-	
10	AH64-02389A	BUTTON-OPEN;DVD-L200,ABS 94 HB,-,-,-,-	
11	AH61-01364A	BRACKET-OPEN;DVD-L200,SUS 304,TO.2,W25,L	
12	AH64-02392A	BUTTON-FUNCTION;DVD-L200,ABS 94 HB,-,-,-	
13	AH64-02394A	BUTTON-PLAY;DVD-L200,ABS 94 HB,-,-,-,-	
14	AH64-02391A	BUTTON-SELECT;DVD-L200,ABS 94 HB,-,-,-,-	
15	AH64-02390A	BUTTON-MENU;DVD-L200,ABS 94 HB,-,-,-,-	
16	AK97-00446B	ASSY-HOUSING BOTTOM;ASSY,DVD-L200,XEF	
17	AH61-01315A	HOLDER-CAP;DVD-L200,PC+ABS,-,-,-,-,-	
18	6003-001446	SCREW-TAPTITE;BH,+,,M2,L5,NI PLT	
19	AH64-02398A	WINDOW-REMOCON;DVD-L200,ACRYL,-,-,-,-,-	
20	AH64-02487A	INDICATOR-LED;DVD-L200,PMMA,-,-,-,-,DVD-	
21	AC60-10024A	SCREW-MACHINE;-,-,FZW,FE,+,,M2,-,X3,-,-	
22	6001-001533	SCREW-MACHINE;PH,+,,M2.0,L4.0,CR PLT,SWRC	
23	AH69-00667B	CUSHION-LCD;DVD-L100,PORON,T1,-,-,-,-,-	
24	AK66-00005A	SHAFT-DISC;DVD-L100,SUS,-,OD1.8,-,-,-	
25	AH61-01102A	SPRING ETC-COVER;DVD-L100,SUS 304,-,-,-,	
26	AH61-01322A	FRAME-HOUSING;DVD-L200,SPT,-,-,-,TO.5,-	
28	AH66-00224A	LEVER-LCD SW;DVD-L200,POM,-,-,-,-,-	
29	6001-001618	SCREW-MACHINE;PWH,+,,M2,L3,ZPC(YEL),SWRCH	
30	6001-001718	SCREW-MACHINE;BH,+,,M2,L5,NI PLT	
31	AK92-00215E	ASSY PCB-MAIN A;DVD-L200W/XSH,MAIN-A	Asia Only
	AK92-00215K	ASSY PCB-MAIN A;DVD-L200W/XEL,MAIN A	Other Only
	AK92-00215J	ASSY PCB-MAIN A;DVD-L200W/XST,MAIN A	U.A.E Only
32	AK92-00216A	ASSY PCB-MAIN B;DVD-L200/XAA,ASSY PCB MA	
33	AK92-00217A	ASSY PCB-KEY;DVD-L200/XAA,KEY PCB ASSY	
34	AH92-01542A	ASSY PCB-TERMINAL;DVD-L100,TERMINAL	
35	AK92-00275B	ASSY PCB-INVERTER;DVD-L200,INVERTER ASSY	
36	AK92-00218A	ASSY PCB-T/CON;DVD-L200/XAA,T/CON PCB AS	
37	AK39-00033A	LEAD CONNECTOR;DVD-L200,#40/MASS-COAXIAL	
H100	AK97-00318A	ASSY-DVD DECK;-,-,PORTABLE2,-	
UT01	AH59-01053L	REMOCON-ASSY;DVD-L200W/XEL,XEL,43*106,-,	

3-2 Deck Assembly



Loc. No	Parts No.	Description ; Specification	Remark
H101	AK63-00023A	COVER-PU;DP-P2,SUS 304 T=0.3,-,-,-,-,-	
H102	AK61-00080A	BRACKET-SHAFT;DP-P2,POM,-,-,-,-,-	
H103	AK61-00081A	BRACKET-TILT;DP-P2,POM,-,-,-,-,-	
H104	AK73-00010A	RUBBER-INSULATOR;-BYUTL,-,50,-,BLK,-,-,-	
H105	AK97-00319A	ASSY-FEED MOTOR;- ,PORTABLE2,-	
H106	AK61-00076A	BRACKET-SPINDLE MOTOR;DP-P2,POM,-,-,-,-,-	
H107	AK97-00320A	ASSY-LEAD SCREW;- ,PORTABLE2,-	
H108	AK66-00020A	SHAFT-PU;DP-P2,SUS420J2,-,-,-,-,-	
H109	AK97-00312A	ASSY-PICK UP;- ,SOH-DPS,ASSY-PICK-UP	
H110	AK31-00007A	MOTOR BLOWER-SPINDLE;- ,DP-P2,-,-,-,-,-	
H111	AK61-00074A	SPRING ETC-SHAFT PU;DP-7,SUS304-CSP,-,-,-	
H112	AK61-00079A	SPRING ETC-SHAFT LEAD SCREW;DP-P2,SUS304	
H113	AK61-00082A	SPRING ETC-PU;DP-P2,SUS304-CSP,-,-,-,-,-	
H114	AK61-00078A	SPRING ETC-PU NUT;DP-P2,SUS304-CSP,-,-,-	
H115	6001-001197	SCREW-MACHINE;CH,+ ,M1.7,L2,NI PLT,SWRCH1	
H116	6001-001288	SCREW-MACHINE;CH(0.5),+ ,M1.7,L6.0,NI PLT	
H117	6002-001119	SCREW-TAPPING;CH,+ ,2,M1.7,L2.5,BLK,SWRCH	

MEMO

4. Electrical Parts List

Loc.No	Part No	Description ; Specification	Remark	Loc.No	Part No	Description ; Specification	Remark
31		ASSY PCB-MAIN A;		AE171	2404-001043	C-TA,CHIP:47uf,20%,10V,GP,TP,6032,-	
AC101	2203-005148	C-CER,CHIP:100nf,10%,16V,X7R,TP,1608,-		AE176	2404-000259	C-TA,CHIP:47uf,20%,6.3V,-,TP,6032,-	
AC102	2203-005148	C-CER,CHIP:100nf,10%,16V,X7R,TP,1608,-		AE177	2404-000259	C-TA,CHIP:47uf,20%,6.3V,-,TP,6032,-	
AC104	2203-001652	C-CER,CHIP:470nf,+80-20%,16V,Y5V,TP,1608		AE178	2404-000259	C-TA,CHIP:47uf,20%,6.3V,-,TP,6032,-	
AC109	2203-001652	C-CER,CHIP:470nf,+80-20%,16V,Y5V,TP,1608		AE179	2404-001043	C-TA,CHIP:47uf,20%,10V,GP,TP,6032,-	
AC111	2203-001652	C-CER,CHIP:470nf,+80-20%,16V,Y5V,TP,1608		AE185	2404-000256	C-TA,CHIP:47UF,20%,16V,GP,TP,7343	
AC112	2203-001652	C-CER,CHIP:470nf,+80-20%,16V,Y5V,TP,1608		AE186	2404-000256	C-TA,CHIP:47UF,20%,16V,GP,TP,7343	
AC113	2203-005148	C-CER,CHIP:100nf,10%,16V,X7R,TP,1608,-		AIC01	1002-001353	IC-D/A CONVERTER:CS4391,24Bits,TSSOP,20P	
AC120	2203-005148	C-CER,CHIP:100nf,10%,16V,X7R,TP,1608,-		AIC02	1001-001243	IC-ANALOG MULTIPLEX,MPC509AU,-,SOIC,16P,	
AC146	2203-005148	C-CER,CHIP:100nf,10%,16V,X7R,TP,1608,-		AIC05	1201-002010	IC-AUDIO AMP:TPA6017A2PW,PTSSOP,20P,6.5x	
AC155	2203-005148	C-CER,CHIP:100nf,10%,16V,X7R,TP,1608,-		AIC06	1201-001869	IC-POWER AMP:TPA302,SOIC,8P,153MIL,SINGL	
AC156	2203-001052	C-CER,CHIP:0.56nf,10%,50V,X7R,TP,1608		AIC07	1201-001869	IC-POWER AMP:TPA302,SOIC,8P,153MIL,SINGL	
AC162	2203-001652	C-CER,CHIP:470nf,+80-20%,16V,Y5V,TP,1608		AIC08	1203-001791	IC-DC/DC CONVERTER:34063,SOP,8P,150MIL,P	
AC164	2203-001652	C-CER,CHIP:470nf,+80-20%,16V,Y5V,TP,1608		AIC185	1201-000163	IC-OP AMP:4560,SOP,8P,173MIL,DUAL,100V/m	
AC167	2203-001652	C-CER,CHIP:470nf,+80-20%,16V,Y5V,TP,1608		AIC186	1201-000163	IC-OP AMP:4560,SOP,8P,173MIL,DUAL,100V/m	
AC168	2203-001724	C-CER,CHIP:4700nf,+80-20%,16V,Y5V,TP,321		AL101	2703-000398	INDUCTOR-SMD:10uH,10%,3225	
AC170	2203-001652	C-CER,CHIP:470nf,+80-20%,16V,Y5V,TP,1608		AL102	2703-000398	INDUCTOR-SMD:10uH,10%,3225	
AC171	2203-001222	C-CER,CHIP:820pf,10%,50V,X7R,TP,1608,-		AL103	2703-000398	INDUCTOR-SMD:10uH,10%,3225	
AC172	2203-001652	C-CER,CHIP:470nf,+80-20%,16V,Y5V,TP,1608		AL104	2703-000398	INDUCTOR-SMD:10uH,10%,3225	
AC173	2203-000140	C-CER,CHIP:1.5nf,10%,50V,X7R,TP,1608,-		AL105	2703-000398	INDUCTOR-SMD:10uH,10%,3225	
AC174	2203-001652	C-CER,CHIP:470nf,+80-20%,16V,Y5V,TP,1608		AL110	2703-002054	INDUCTOR-SMD:47uH,20%,6060	
AC175	2203-001652	C-CER,CHIP:470nf,+80-20%,16V,Y5V,TP,1608		AL148	2703-000002	INDUCTOR-SMD:100uH,10%,3225	
AC176	2203-005148	C-CER,CHIP:100nf,10%,16V,X7R,TP,1608,-		AL150	3301-001480	BEAD-SMD:1KOHM,4.5X3.2X2.3MM,200MA,TP,F	
AC177	2203-001652	C-CER,CHIP:470nf,+80-20%,16V,Y5V,TP,1608		AL151	3301-001480	BEAD-SMD:1KOHM,4.5X3.2X2.3MM,200MA,TP,F	
AC178	2203-000140	C-CER,CHIP:1.5nf,10%,50V,X7R,TP,1608,-		AQ105	0504-001025	TR-DIGITAL:DTC143EE,NPN,150MW,4.7K,EMT3,	
AC179	2203-001652	C-CER,CHIP:470nf,+80-20%,16V,Y5V,TP,1608		AQ106	0504-001025	TR-DIGITAL:DTC143EE,NPN,150MW,4.7K,EMT3,	
AC181	2203-001222	C-CER,CHIP:820pf,10%,50V,X7R,TP,1608,-		AQ151	0501-000314	TR-SMALL SIGNAL:KSA812,PNP,150mW,SOT-23,	
AC185	2203-005148	C-CER,CHIP:100nf,10%,16V,X7R,TP,1608,-		AQ152	0501-000314	TR-SMALL SIGNAL:KSA812,PNP,150mW,SOT-23,	
AC186	2203-000531	C-CER,CHIP:2.7nf,10%,50V,X7R,TP,1608,-		AQ153	0504-000113	TR-DIGITAL:DTC144EUA,NPN,200MW,47K/47K,S	
AC187	2203-000531	C-CER,CHIP:2.7nf,10%,50V,X7R,TP,1608,-		AQ180	0501-000314	TR-SMALL SIGNAL:KSA812,PNP,150mW,SOT-23,	
AC188	2203-001052	C-CER,CHIP:0.56nf,10%,50V,X7R,TP,1608		AQ181	0504-001025	TR-DIGITAL:DTC143EE,NPN,150MW,4.7K,EMT3,	
AC189	2203-001052	C-CER,CHIP:0.56nf,10%,50V,X7R,TP,1608		AQ223	0501-000218	TR-SMALL SIGNAL:2SC4081,NPN,200mW,UMT,TP	
AC190	2203-005148	C-CER,CHIP:100nf,10%,16V,X7R,TP,1608,-		AQ224	0501-000218	TR-SMALL SIGNAL:2SC4081,NPN,200mW,UMT,TP	
AC191	2203-001052	C-CER,CHIP:0.56nf,10%,50V,X7R,TP,1608		AQ225	0501-000218	TR-SMALL SIGNAL:2SC4081,NPN,200mW,UMT,TP	
AC192	2203-001052	C-CER,CHIP:0.56nf,10%,50V,X7R,TP,1608		AQ226	0501-000218	TR-SMALL SIGNAL:2SC4081,NPN,200mW,UMT,TP	
AC199	2203-005148	C-CER,CHIP:100nf,10%,16V,X7R,TP,1608,-		AR122	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	
AC220	2203-005148	C-CER,CHIP:100nf,10%,16V,X7R,TP,1608,-		AR123	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	
AC221	2203-005148	C-CER,CHIP:100nf,10%,16V,X7R,TP,1608,-		AR124	2007-000078	R-CHIP:1Kohm,5%,1/10W,TP,1608	
AC222	2203-000440	C-CER,CHIP:1nf,10%,50V,X7R,TP,1608,-		AR125	2007-000092	R-CHIP:15Kohm,5%,1/10W,TP,1608	
AC223	2203-000440	C-CER,CHIP:1nf,10%,50V,X7R,TP,1608,-		AR126	2007-000078	R-CHIP:1Kohm,5%,1/10W,TP,1608	
AC224	2203-005148	C-CER,CHIP:100nf,10%,16V,X7R,TP,1608,-		AR128	2007-000119	R-CHIP:560ohm,5%,1/10W,TP,1608	
AC225	2203-005148	C-CER,CHIP:100nf,10%,16V,X7R,TP,1608,-		AR129	2007-000119	R-CHIP:560ohm,5%,1/10W,TP,1608	
AC226	2203-000440	C-CER,CHIP:1nf,10%,50V,X7R,TP,1608,-		AR131	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	
AC227	2203-000440	C-CER,CHIP:1nf,10%,50V,X7R,TP,1608,-		AR132	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	
AC228	2203-000531	C-CER,CHIP:2.7nf,10%,50V,X7R,TP,1608,-		AR136	2007-000102	R-CHIP:100Kohm,5%,1/10W,TP,1608	
AC229	2203-000531	C-CER,CHIP:2.7nf,10%,50V,X7R,TP,1608,-		AR137	2007-000102	R-CHIP:100Kohm,5%,1/10W,TP,1608	
AC234	2203-000257	C-CER,CHIP:10nf,10%,50V,X7R,TP,1608		AR139	2007-000078	R-CHIP:1Kohm,5%,1/10W,TP,1608	
AD110	0404-001173	DIODE-SCHOTTKY:RB081L-20,20V,4000MA,SOD-		AR150	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	
AD113	0407-001004	DIODE-ARRAY:DAN202U,80V,300mA,CA2-3,UMT,		AR161	2007-000034	R-CHIP:10Hhm,5%,1/4W,DA,TP,3216	
AD221	0407-000116	DIODE-ARRAY:DAP202K,80V,100mA,CK2-3,SOT-		AR162	2007-000905	R-CHIP:430ohm,5%,1/10W,TP,1608	
AD222	0407-000116	DIODE-ARRAY:DAP202K,80V,100mA,CK2-3,SOT-		AR163	2007-000805	R-CHIP:36Kohm,5%,1/10W,TP,1608	
AE101	2404-001043	C-TA,CHIP:47uf,20%,10V,GP,TP,6032,-		AR164	2007-000965	R-CHIP:5.1Kohm,5%,1/10W,TP,1608	
AE103	2404-000256	C-TA,CHIP:47UF,20%,16V,GP,TP,7343		AR170	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	
AE113	2404-000275	C-TA,CHIP:100UF,10%,10V,GP,TP,7343		AR171	2007-000127	R-CHIP:9.1Kohm,5%,1/10W,TP,1608	
AE114	2404-000275	C-TA,CHIP:100UF,10%,10V,GP,TP,7343		AR172	2007-000127	R-CHIP:9.1Kohm,5%,1/10W,TP,1608	
AE130	2404-000275	C-TA,CHIP:100UF,10%,10V,GP,TP,7343		AR173	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	
AE148	2404-000256	C-TA,CHIP:47UF,20%,16V,GP,TP,7343		AR174	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	
AE155	2404-000299	C-TA,CHIP:22uf,20%,16V,-,TP,6032,-		AR175	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	
AE165	2404-001001	C-TA,CHIP:10uf,10%,6.3V,GP,TP,3216,3.2mm		AR176	2007-000127	R-CHIP:9.1Kohm,5%,1/10W,TP,1608	
AE166	2404-000299	C-TA,CHIP:22uf,20%,16V,-,TP,6032,-		AR177	2007-000127	R-CHIP:9.1Kohm,5%,1/10W,TP,1608	
AE167	2404-001001	C-TA,CHIP:10uf,10%,6.3V,GP,TP,3216,3.2mm		AR178	2007-000086	R-CHIP:5.6Kohm,5%,1/10W,TP,1608	

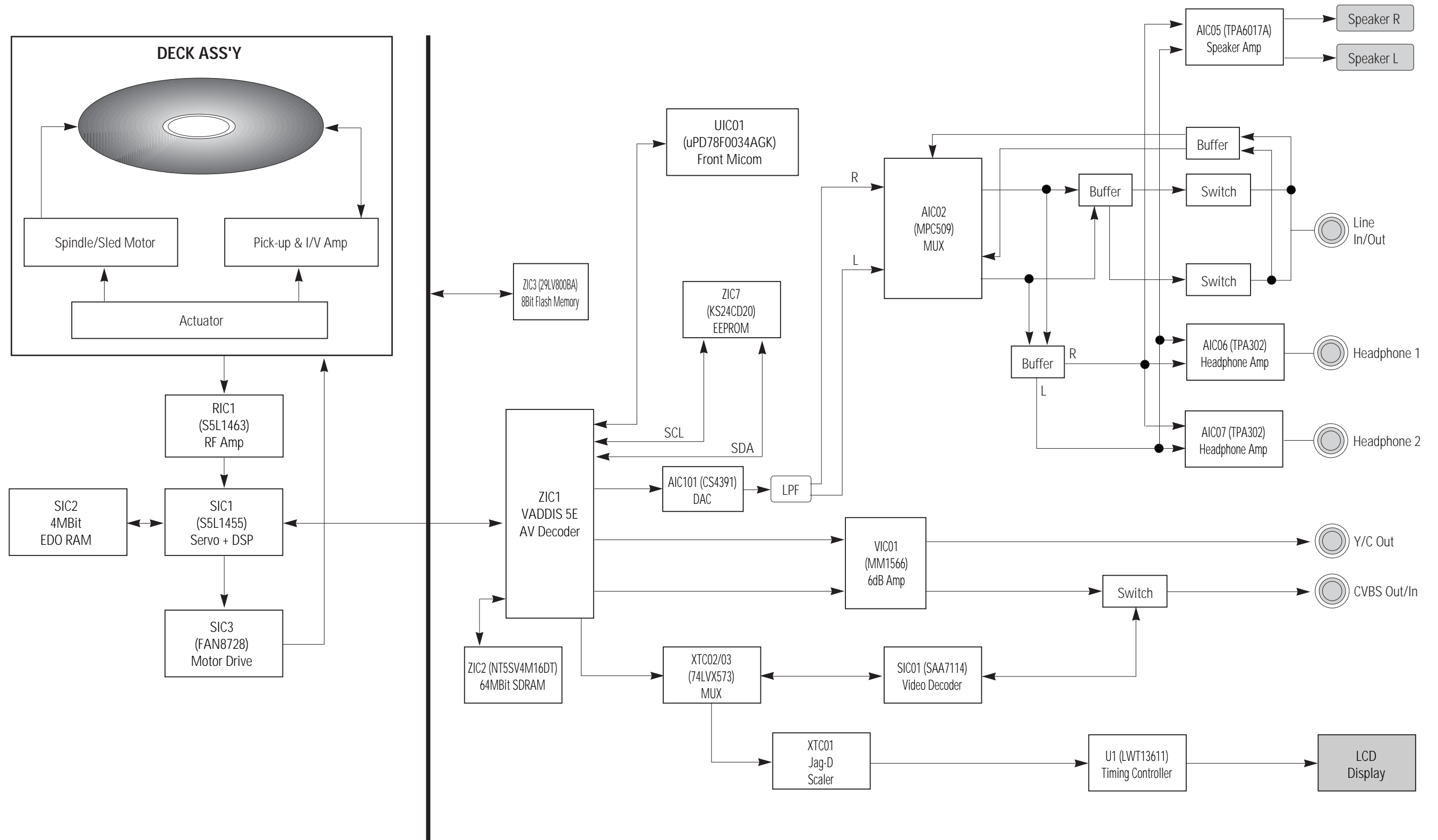
Electrical Parts List

Loc.No	Part No	Description ; Specification	Remark	Loc.No	Part No	Description ; Specification	Remark
AR179	2007-000086	R-CHIP:5.6Kohm,5%,1/10W,TP,1608		FE6	2404-001001	C-TA,CHIP:10uF,10%,6.3V,GP,TP,3216,3.2mm	
AR180	2007-000086	R-CHIP:5.6Kohm,5%,1/10W,TP,1608		FL1	2703-000398	INDUCTOR-SMD:10uH,10%,3225	
AR181	2007-000086	R-CHIP:5.6Kohm,5%,1/10W,TP,1608		FR1	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	
AR182	2007-000086	R-CHIP:5.6Kohm,5%,1/10W,TP,1608		FR10	2007-000092	R-CHIP:15Kohm,5%,1/10W,TP,1608	
AR183	2007-000086	R-CHIP:5.6Kohm,5%,1/10W,TP,1608		FR15	2007-000655	R-CHIP:27Kohm,5%,1/10W,TP,1608	
AR184	2007-000122	R-CHIP:1.2Kohm,5%,1/10W,TP,1608		FR16	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	
AR185	2007-000122	R-CHIP:1.2Kohm,5%,1/10W,TP,1608		FR17	2007-000088	R-CHIP:7.5Kohm,5%,1/10W,TP,1608	
AR186	2007-000122	R-CHIP:1.2Kohm,5%,1/10W,TP,1608		FR18	2007-000092	R-CHIP:15Kohm,5%,1/10W,TP,1608	
AR187	2007-000122	R-CHIP:1.2Kohm,5%,1/10W,TP,1608		FR2	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	
AR188	2007-000086	R-CHIP:5.6Kohm,5%,1/10W,TP,1608		FR3	2007-000034	R-CHIP:10HM,5%,1/4W,DA,TP,3216	
AR189	2007-000086	R-CHIP:5.6Kohm,5%,1/10W,TP,1608		FR4	2007-000034	R-CHIP:10HM,5%,1/4W,DA,TP,3216	
AR190	2007-000704	R-CHIP:3.6Kohm,5%,1/10W,TP,1608		FR5	2007-000092	R-CHIP:15Kohm,5%,1/10W,TP,1608	
AR191	2007-000086	R-CHIP:5.6Kohm,5%,1/10W,TP,1608		FR6	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	
AR192	2007-000078	R-CHIP:1Kohm,5%,1/10W,TP,1608		FR7	2007-000093	R-CHIP:20Kohm,5%,1/10W,TP,1608	
AR212	2007-000074	R-CHIP:100ohm,5%,1/10W,TP,1608		FR8	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	
AR213	2007-000074	R-CHIP:100ohm,5%,1/10W,TP,1608		FR9	2007-000093	R-CHIP:20Kohm,5%,1/10W,TP,1608	
AR220	2007-000077	R-CHIP:470ohm,5%,1/10W,TP,1608		JACK1	3722-001737	JACK-PHONE:4P:3.6PI,AG,GRN,-	
AR221	2007-000077	R-CHIP:470ohm,5%,1/10W,TP,1608		JACK2	3722-001737	JACK-PHONE:4P:3.6PI,AG,GRN,-	
AR222	2007-000077	R-CHIP:470ohm,5%,1/10W,TP,1608		JP5	2007-000070	R-CHIP:0ohm,5%,1/10W,TP,1608	
AR223	2007-000077	R-CHIP:470ohm,5%,1/10W,TP,1608		JP6	2007-000070	R-CHIP:0ohm,5%,1/10W,TP,1608	
AR225	2007-000113	R-CHIP:33ohm,5%,1/10W,TP,1608		PC122	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-	
AR226	2007-000113	R-CHIP:33ohm,5%,1/10W,TP,1608		PC123	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-	
AR227	2007-000071	R-CHIP:22ohm,5%,1/10W,TP,1608		PC133	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-	
AR228	2007-000071	R-CHIP:22ohm,5%,1/10W,TP,1608		PC134	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-	
AR229	2007-000113	R-CHIP:33ohm,5%,1/10W,TP,1608		PC138	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-	
AR230	2007-000113	R-CHIP:33ohm,5%,1/10W,TP,1608		PC140	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-	
AR231	2007-000071	R-CHIP:22ohm,5%,1/10W,TP,1608		PC141	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-	
AR232	2007-000071	R-CHIP:22ohm,5%,1/10W,TP,1608		PC142	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-	
AR235	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608		PC143	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-	
AR236	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608		PC180	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-	
AR237	2007-000078	R-CHIP:1Kohm,5%,1/10W,TP,1608		PCON3	3708-001728	CONNECTOR-FPC/FFC/PIC:36P:0.5MM,SMD-A,SN	
AVR01	2101-001108	VR-ROTARY:10KOHM,30%,0.01W,TOP		PCON6	3708-001728	CONNECTOR-FPC/FFC/PIC:36P:0.5MM,SMD-A,SN	
BSW01	3409-001082	SWITCH-DETECTOR:20V DC,50MA,SPST,30GF,-		PE103	2404-000304	C-TA,CHIP:22uF,20%,6.3V,-,TP,3528,-	
DC1	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		PE105	2404-001131	C-TA,CHIP:22uF,10%,10V,GP,TP,3528	
DC2	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		PE111	2404-001131	C-TA,CHIP:22uF,10%,10V,GP,TP,3528	
DCN101	3708-001818	CONNECTOR-FPC/FFC/PIC:22P:1MM,SMD-A,SN		PE112	2404-000304	C-TA,CHIP:22uF,20%,6.3V,-,TP,3528,-	
DCN102	3708-001819	CONNECTOR-FPC/FFC/PIC:13P:1MM,SMD-A,SN		PE115	2404-001131	C-TA,CHIP:22uF,10%,10V,GP,TP,3528	
DD1	0407-000116	DIODE-ARRAY:DAP202K,80V,100mA,CK2-3,SOT-		PE117	2404-000304	C-TA,CHIP:22uF,20%,6.3V,-,TP,3528,-	
DQ1	0501-000341	TR-SMALL SIGNAL:KSC1623-L,NPN,200mW,SOT-		PE118	2404-000304	C-TA,CHIP:22uF,20%,6.3V,-,TP,3528,-	
DQ2	0501-000341	TR-SMALL SIGNAL:KSC1623-L,NPN,200mW,SOT-		PE119	2404-001131	C-TA,CHIP:22uF,10%,10V,GP,TP,3528	
DQ3	0501-000341	TR-SMALL SIGNAL:KSC1623-L,NPN,200mW,SOT-		PE120	2404-000304	C-TA,CHIP:22uF,20%,6.3V,-,TP,3528,-	
DR1	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608		PE121	2404-001131	C-TA,CHIP:22uF,10%,10V,GP,TP,3528	
DR2	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608		PL110	2703-000398	INDUCTOR-SMD:10uH,10%,3225	
DR3	2007-000075	R-CHIP:220ohm,5%,1/10W,TP,1608		PL111	2703-000398	INDUCTOR-SMD:10uH,10%,3225	
DR4	2007-000078	R-CHIP:1Kohm,5%,1/10W,TP,1608		PL116	2703-000398	INDUCTOR-SMD:10uH,10%,3225	
DR5	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608		PL119	2703-000398	INDUCTOR-SMD:10uH,10%,3225	
DR6	2007-000075	R-CHIP:220ohm,5%,1/10W,TP,1608		PL120	2703-000398	INDUCTOR-SMD:10uH,10%,3225	
DR7	2007-000116	R-CHIP:120ohm,5%,1/10W,TP,1608		PL121	2703-000398	INDUCTOR-SMD:10uH,10%,3225	
DR8	2007-000116	R-CHIP:120ohm,5%,1/10W,TP,1608		PL122	2703-000398	INDUCTOR-SMD:10uH,10%,3225	
EC102	2203-001724	C-CER,CHIP:4700NF,+80-20%,16V,Y5V,TP,321		PQ113	0502-001178	TR-POWER:CPH6702,PNP,1300mW,CPH6,TP,200	
FC1	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		PQ118	0502-001178	TR-POWER:CPH6702,PNP,1300mW,CPH6,TP,200	
FC10	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		PQ154	0504-001025	TR-DIGITAL:DTC143EE,NPN,150MW,4.7K,EMT3,	
FC12	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		PR142	2007-000052	R-CHIP:10Kohm,1%,1/10W,TP,1608	
FC13	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		PR165	2007-000640	R-CHIP:270ohm,1%,1/10W,TP,1608	
FC15	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		PR173	2007-000821	R-CHIP:390ohm,1%,1/10W,TP,1608	
FC2	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		RC1	2203-000189	C-CER,CHIP:100nF,+80-20%,25V,Y5V,TP,1608	
FC3	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		RC10	2203-000189	C-CER,CHIP:100nF,+80-20%,25V,Y5V,TP,1608	
FC4	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		RC101	2203-000236	C-CER,CHIP:0.1NF,5%,50V,COG,TP,1608	
FC5	2203-001222	C-CER,CHIP:820nF,10%,50V,X7R,TP,1608,-		RC11	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-	
FC6	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		RC12	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-	
FC7	2203-000140	C-CER,CHIP:1.5nF,10%,50V,X7R,TP,1608,-		RC13	2203-000975	C-CER,CHIP:47nF,10%,25V,X7R,TP,1608,-	
FE1	2404-001043	C-TA,CHIP:47uF,20%,10V,GP,TP,6032,-		RC14	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-	
FE2	2404-001043	C-TA,CHIP:47uF,20%,10V,GP,TP,6032,-		RC15	2203-000975	C-CER,CHIP:47nF,10%,25V,X7R,TP,1608,-	
FE3	2404-001043	C-TA,CHIP:47uF,20%,10V,GP,TP,6032,-		RC16	2203-000257	C-CER,CHIP:10nF,10%,50V,X7R,TP,1608	
FE4	2404-001043	C-TA,CHIP:47uF,20%,10V,GP,TP,6032,-		RC17	2203-006035	C-CER,CHIP:220NF,+10%,10V,X7R,TP,1608	
FE5	2404-001043	C-TA,CHIP:47uF,20%,10V,GP,TP,6032,-		RC18	2203-000236	C-CER,CHIP:0.1NF,5%,50V,COG,TP,1608	

Loc.No	Part No	Description ; Specification	Remark	Loc.No	Part No	Description ; Specification	Remark
BR132	2007-000086	R-CHIP:5.6Kohm,5%,1/10W,TP,1608		R36	2007-000655	R-CHIP:27Kohm,5%,1/10W,TP,1608	
BR135	2007-000079	R-CHIP:1.8Kohm,5%,1/10W,TP,1608		R42	2007-000052	R-CHIP:10Kohm,1%,1/10W,TP,1608	
BR165	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608		R43	2007-000939	R-CHIP:47Kohm,1%,1/10W,TP,1608	
BR199	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608		R45	2007-000067	R-CHIP:15Kohm,1%,1/10W,TP,1608	
BR201	2007-000033	R-CHIP:0ohm,5%,1/4W,TP,3216		R49	2007-000655	R-CHIP:27Kohm,5%,1/10W,TP,1608	
BT101	2601-001104	TRANS-SMD,PULSE:6.900MH,0.3 OHM,-,28X10X		R50	2007-007720	R-CHIP:300Kohm,1%,1/10W,TP,1608	
PAL	2007-000070	R-CHIP:0ohm,5%,1/10W,TP,1608		R55	2007-000052	R-CHIP:10Kohm,1%,1/10W,TP,1608	
36	AK92-00218A	ASSY PCB-T/CON:DVD-L200/XAA,T/CON PCB AS		R56	2007-000075	R-CHIP:220ohm,5%,1/10W,TP,1608	
B1	3301-001237	BEAD-SMD,-,120,-,150,-55TO+125C,-,1.2		R57	2007-000052	R-CHIP:10Kohm,1%,1/10W,TP,1608	
C1	2203-005571	C-CER,CHIP:10000NF,+80-20%,6.3V,Y5V,TP,2		R58	2007-000075	R-CHIP:220ohm,5%,1/10W,TP,1608	
C10	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		R61	2007-001433	R-CHIP:12Kohm,1%,1/10W,TP,1608	
C11	2203-005065	C-CER,CHIP:100nF,+80-20%,10V,Y5V,TP,160		R62	2007-001433	R-CHIP:12Kohm,1%,1/10W,TP,1608	
C12	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		R63	2007-000736	R-CHIP:30Kohm,1%,1/10W,TP,1608	
C17	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		R74	3301-001237	BEAD-SMD,-,120,-,150,-55TO+125C,-,1.2	
C18	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		R76	2007-000779	R-CHIP:33ohm,1%,1/10W,TP,1608	
C2	2203-005571	C-CER,CHIP:10000NF,+80-20%,6.3V,Y5V,TP,2		R80	2007-000779	R-CHIP:33ohm,1%,1/10W,TP,1608	
C3	2203-005448	C-CER,CHIP:22000nF,+80-20%,10V,Y5V,TP,32		R84	2007-000070	R-CHIP:0ohm,5%,1/10W,TP,1608	
C4	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		R85	2007-000070	R-CHIP:0ohm,5%,1/10W,TP,1608	
C41	2203-001408	C-CER,CHIP:0.27nF,5%,50V,NPO,TP,1608		R86	2007-000070	R-CHIP:0ohm,5%,1/10W,TP,1608	
C43	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		R87	2007-000070	R-CHIP:0ohm,5%,1/10W,TP,1608	
C45	2203-005571	C-CER,CHIP:10000NF,+80-20%,6.3V,Y5V,TP,2		R9	2007-000239	R-CHIP:1.5Kohm,1%,1/10W,TP,1608	
C46	2203-005571	C-CER,CHIP:10000NF,+80-20%,6.3V,Y5V,TP,2		R92	2007-002899	R-CHIP:10ohm,1%,1/10W,TP,1608	
C48	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		R99	2007-000287	R-CHIP:100OHM,1%,1/10W,DA,TP,1608	
C5	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		RA1	2011-000475	R-NET:330HM,5%,1/16W,L,CHIP,8P,TP,32	
C51	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		RA2	2011-000475	R-NET:330HM,5%,1/16W,L,CHIP,8P,TP,32	
C52	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		RA3	2011-000475	R-NET:330HM,5%,1/16W,L,CHIP,8P,TP,32	
C53	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		RA4	2011-000475	R-NET:330HM,5%,1/16W,L,CHIP,8P,TP,32	
C54	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		TCON1	3708-001867	CONNECTOR-FPC/FFC/PIC:40P,0.5MM,SMD-A,SN	
C55	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		TCON2	3708-001655	CONNECTOR-FPC/FFC/PIC:30P,0.5MM,STRAIGHT	
C56	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		TCON3	3708-001655	CONNECTOR-FPC/FFC/PIC:30P,0.5MM,STRAIGHT	
C57	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		TCON4	3711-000541	CONNECTOR-HEADER:BOX,2P,1R,1.25MM,SMD-A,	
C6	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		TCON5	3711-000541	CONNECTOR-HEADER:BOX,2P,1R,1.25MM,SMD-A,	
C60	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		TCON6	3711-005343	CONNECTOR-HEADER:BOX,5P,1R,1.25MM,SMD-A,	
C63	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,1608,-		TR1	0502-001147	TR-POWER:FMMT5400,PNP,330mW,SOT-23,TP,-	
C64	2203-005065	C-CER,CHIP:100nF,+80-20%,10V,Y5V,TP,160		TR2	0504-000113	TR-DIGITAL:DTC144EUA,NPN,200mW,47K/47K,S	
D1	0401-001074	DIODE-SWITCHING:ZHCS750,30V,750MA,SOT-23		U1	AK13-00003A	IC ASIC,-,LWT13611,64,3.3V,-40C - +125	
IC2	1201-001473	IC-OP AMP:5220,MSOP,8P,150MIL,2.95DB,PLA		U2	1001-001183	IC-ANALOG SWITCH:MAX4684EUB,-,TSSOP,10P,	
IC4	0504-001074	TR-DIGITAL:RN4907,NPN/PNP,200mW,10K/47K,					
IC5	1203-002037	IC-DC/DC CONVERTER:1613,SOT-23,5P,63MIL,					
IC6	0401-001116	DIODE-SWITCHING:BAV99DW,75V,150MA,SOT-36					
IC7	0401-001116	DIODE-SWITCHING:BAV99DW,75V,150MA,SOT-36					
IC8	0801-002575	IC-CMOS LOGIC:7SZ175,D FLIP-FLOP,SC70,6P					
L1	2601-001061	TRANS-SMD,PULSE:3.8UH/31UH,0.19OHM/2.6OH					
Q1	0505-001190	FET-SILICON:IRLML6302,N,-20V,-0.78A,0.9a					
Q2	0505-001279	FET-SILICON:IRLML2402,N,20V,1.2A,0.25OHM					
R10	2007-000052	R-CHIP:10Kohm,1%,1/10W,TP,1608					
R12	2007-000239	R-CHIP:1.5Kohm,1%,1/10W,TP,1608					
R13	2007-000239	R-CHIP:1.5Kohm,1%,1/10W,TP,1608					
R14	2007-000842	R-CHIP:3Kohm,1%,1/10W,TP,1608					
R16	2007-001433	R-CHIP:12Kohm,1%,1/10W,TP,1608					
R17	2007-000842	R-CHIP:3Kohm,1%,1/10W,TP,1608					
R19	2007-001433	R-CHIP:12Kohm,1%,1/10W,TP,1608					
R20	2007-001153	R-CHIP:750ohm,1%,1/10W,TP,1608					
R21	2007-000857	R-CHIP:4.3Kohm,1%,1/10W,TP,1608					
R22	2007-000999	R-CHIP:510ohm,1%,1/10W,TP,1608					
R23	2007-000070	R-CHIP:0ohm,5%,1/10W,TP,1608					
R24	2007-000509	R-CHIP:2.4Kohm,1%,1/10W,TP,1608					
R27	2007-000640	R-CHIP:270ohm,1%,1/10W,TP,1608					
R28	2007-000726	R-CHIP:300ohm,1%,1/10W,TP,1608					
R29	2007-000040	R-CHIP:150ohm,1%,1/10W,TP,1608					
R30	2007-000999	R-CHIP:510ohm,1%,1/10W,TP,1608					
R31	2007-000219	R-CHIP:1.2Kohm,1%,1/10W,TP,1608					
R32	2007-000070	R-CHIP:0ohm,5%,1/10W,TP,1608					
R33	2007-000763	R-CHIP:330ohm,1%,1/10W,TP,1608					
R34	2007-001153	R-CHIP:750ohm,1%,1/10W,TP,1608					

MEMO

5. Block Diagram

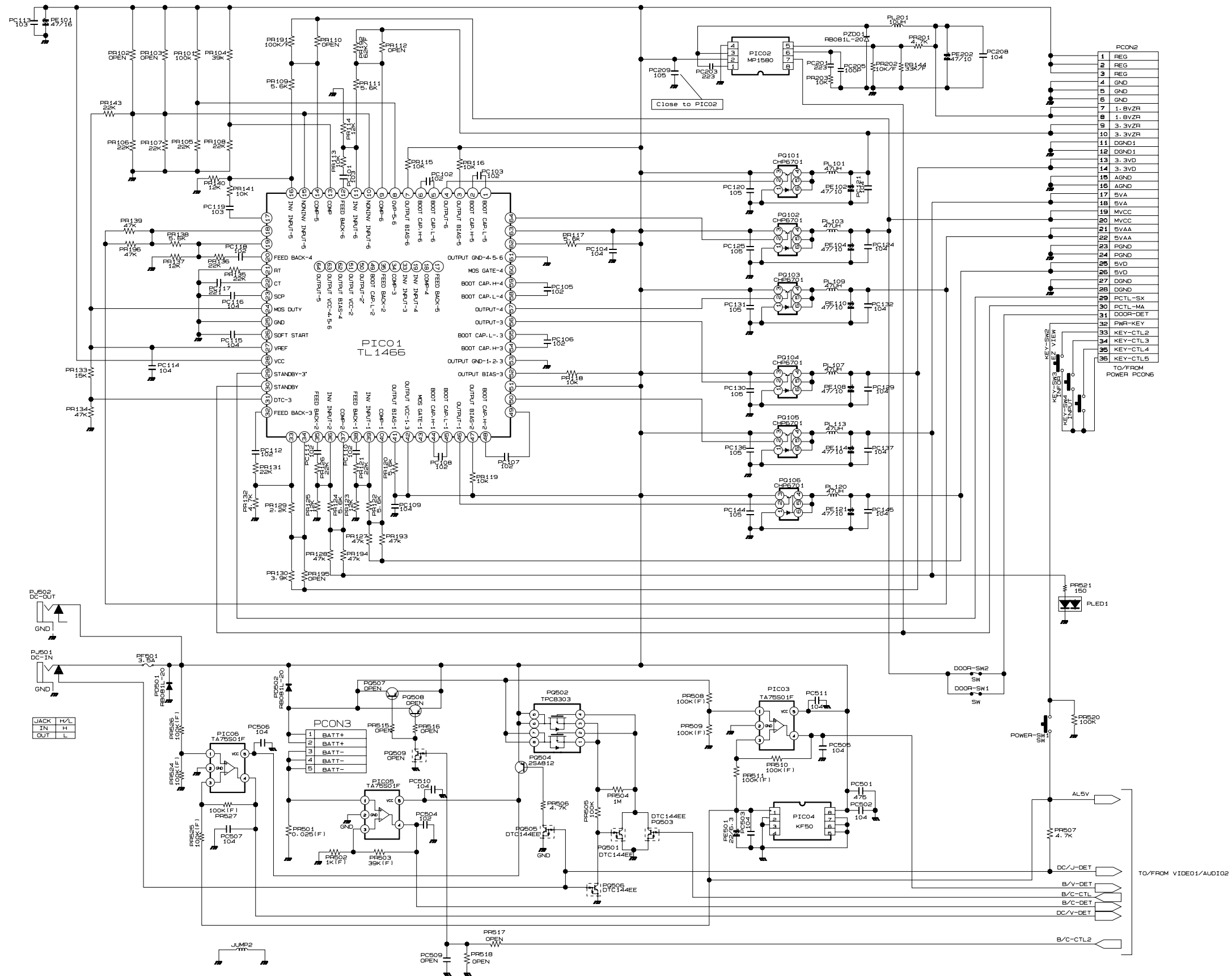


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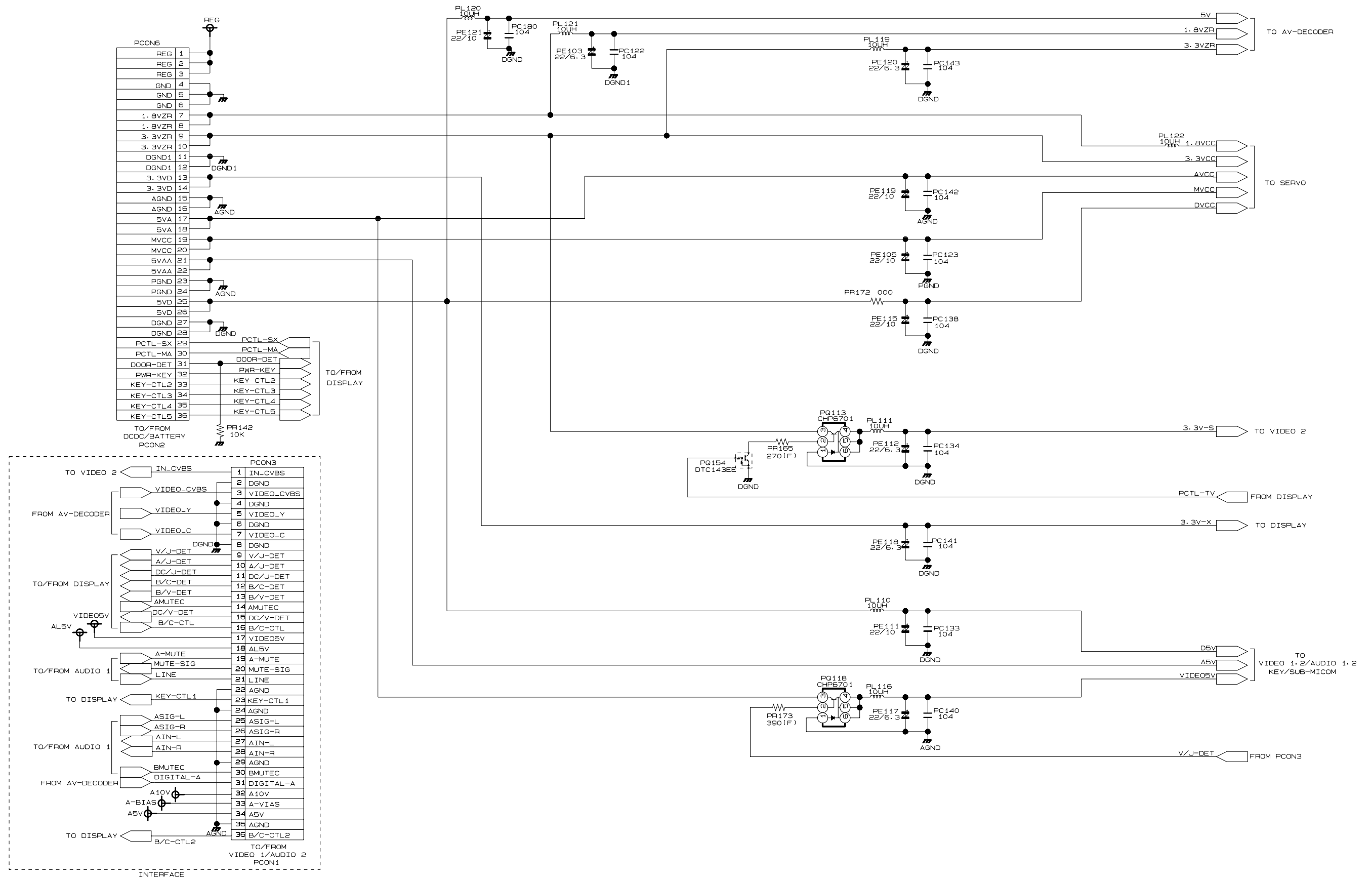
6. Schematic Diagrams

6-1 DCDC/Battery (Main B PCB) - - - - -	6-2
6-2 Power (Main A PCB) - - - - -	6-3
6-3 AV-Decoder (Main A PCB) - - - - -	6-4
6-4 Servo (Main A PCB) - - - - -	6-5
6-5 Video 1/Audio 2 (Main B PCB) - - - - -	6-6
6-6 Video 2 (Main A PCB) - - - - -	6-7
6-7 Audio 1 (Main A PCB) - - - - -	6-8
6-8 Display (Main A PCB) - - - - -	6-9
6-9 Key/Sub-Micom - - - - -	6-10
6-10 LCD - - - - -	6-11
6-11 Inverter - - - - -	6-12

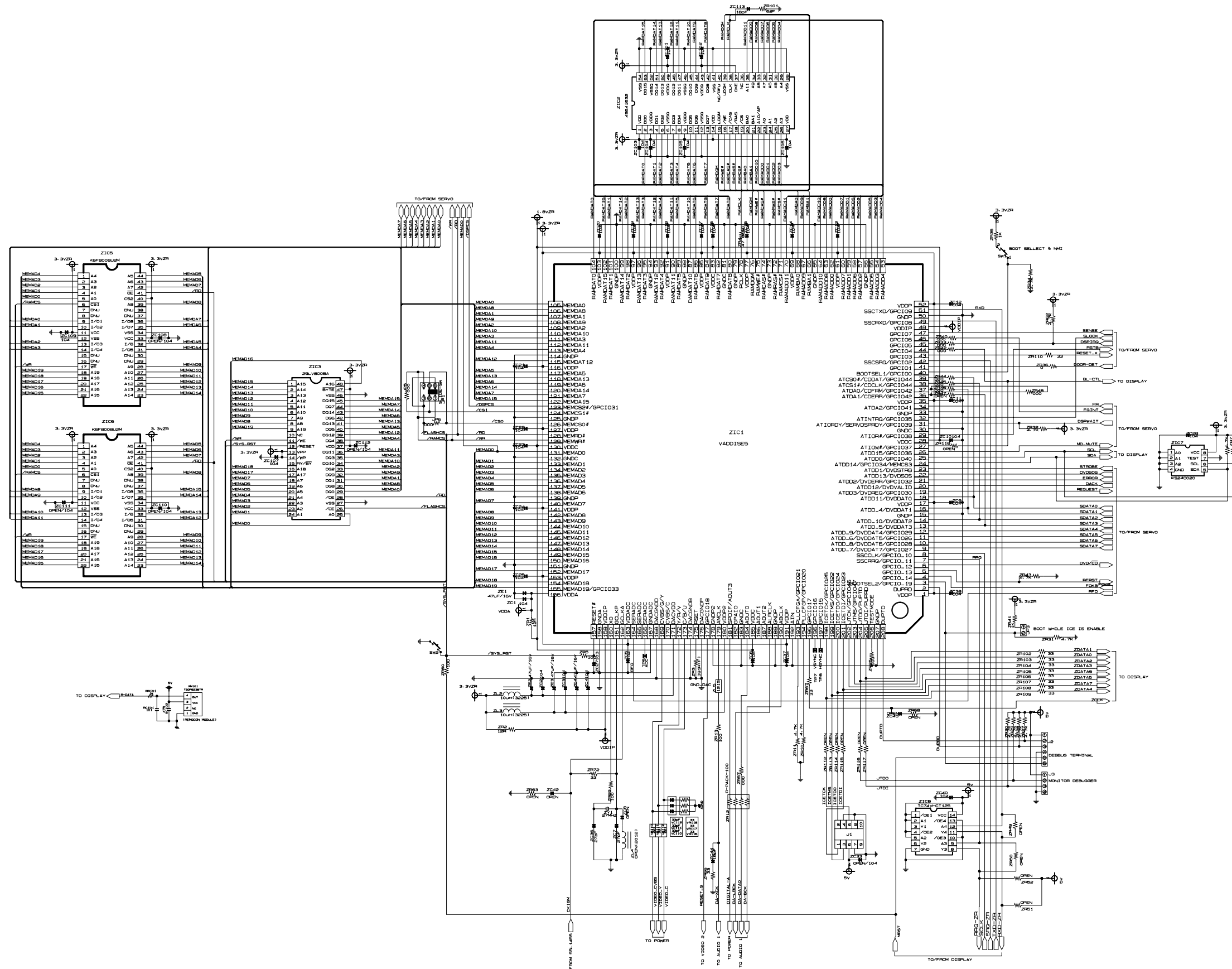
6-1 DCDC/Battery (Main B PCB)



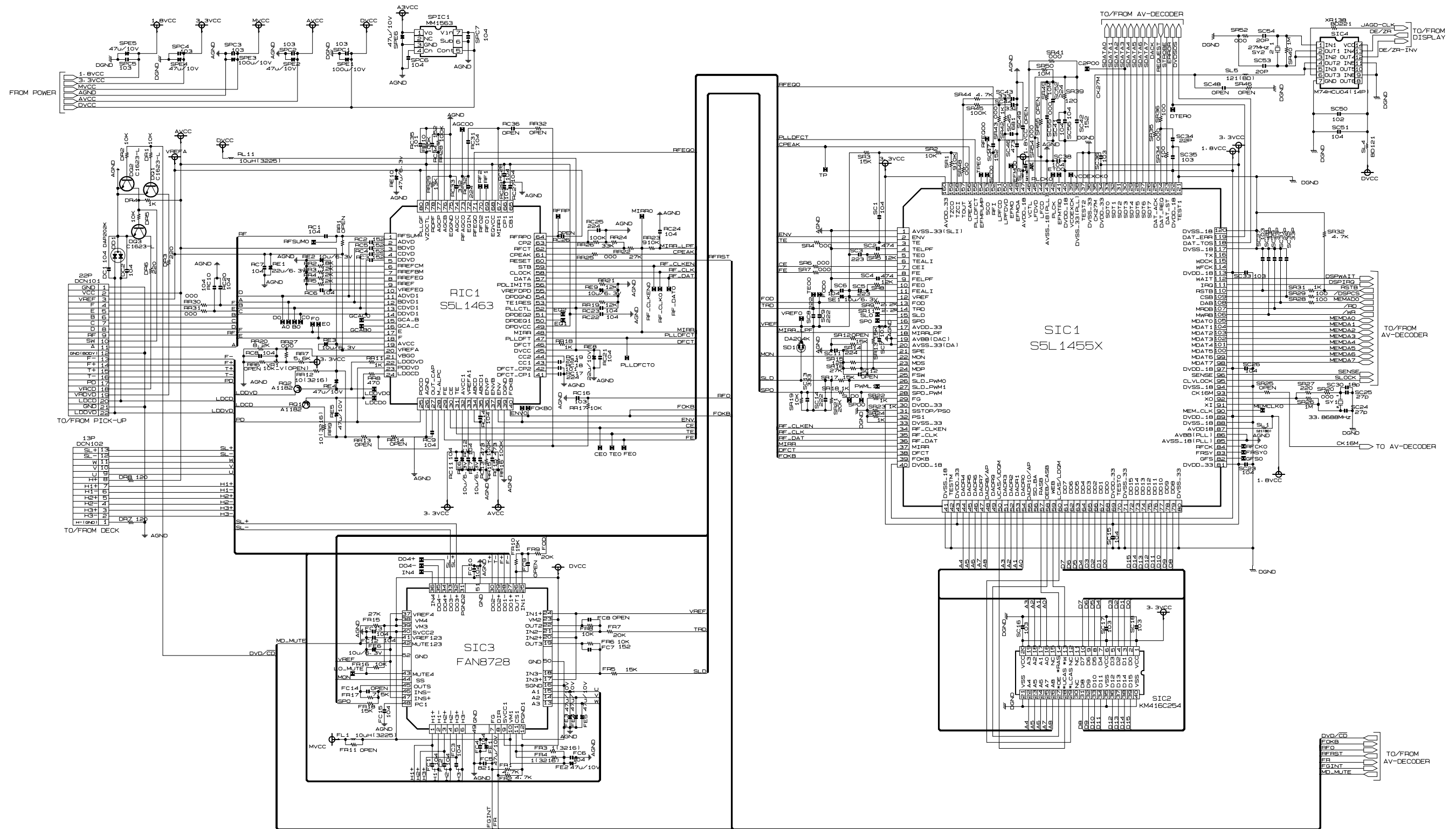
6-2 Power (Main A PCB)



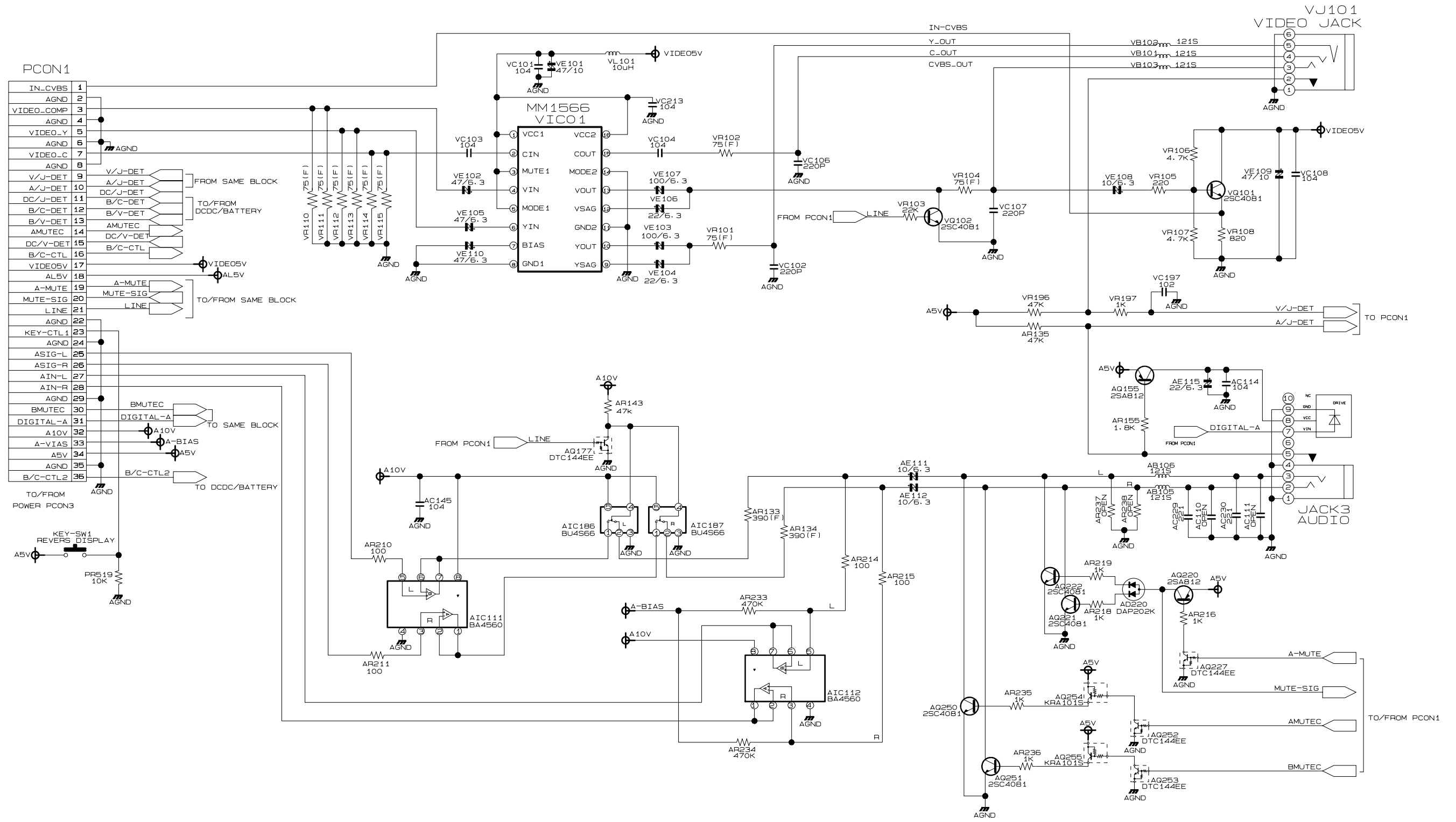
6-3 AV-Decoder (Main A PCB)



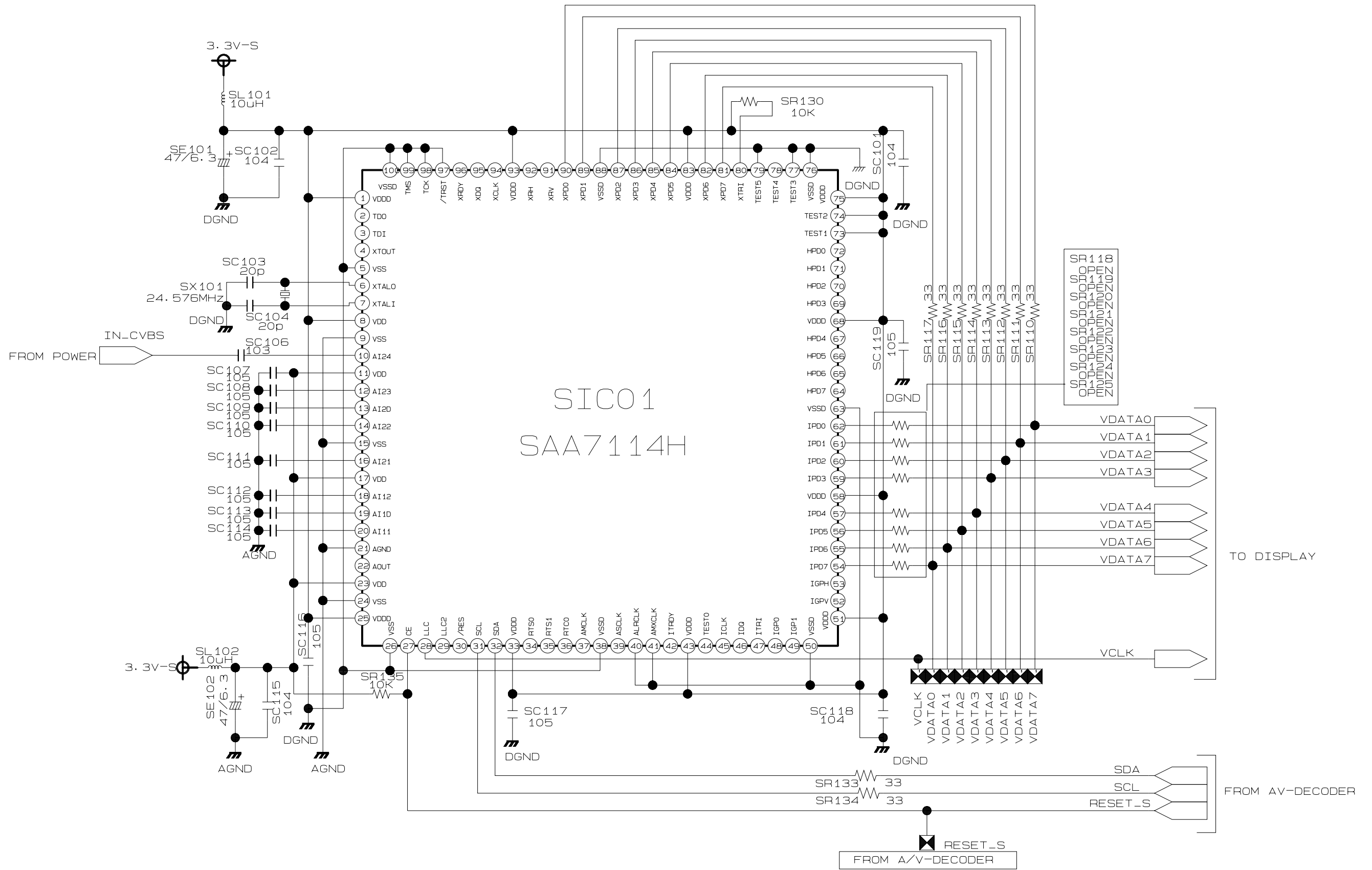
6-4 Servo (Main A PCB)



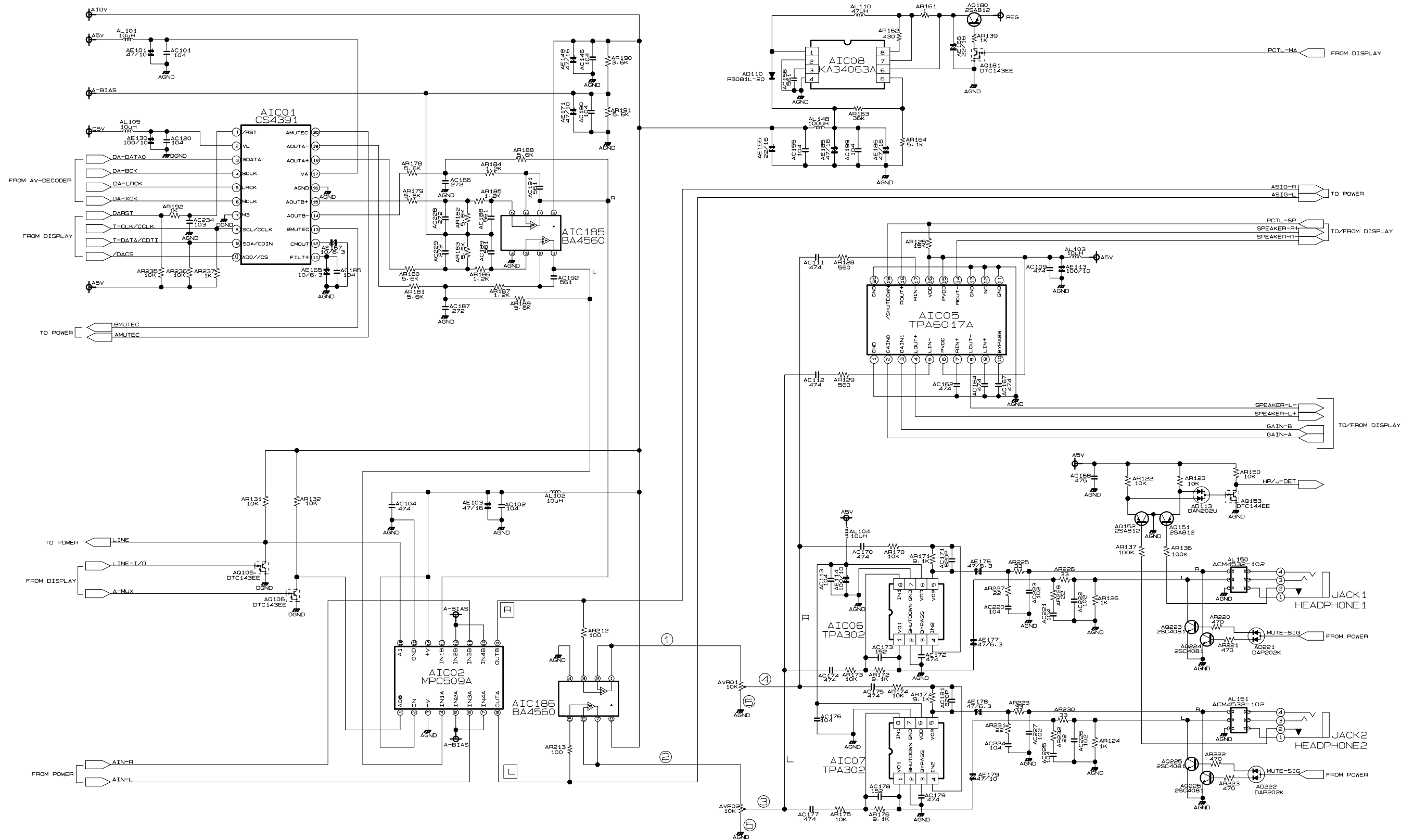
6-5 Video 1/Audio 2 (Main B PCB)



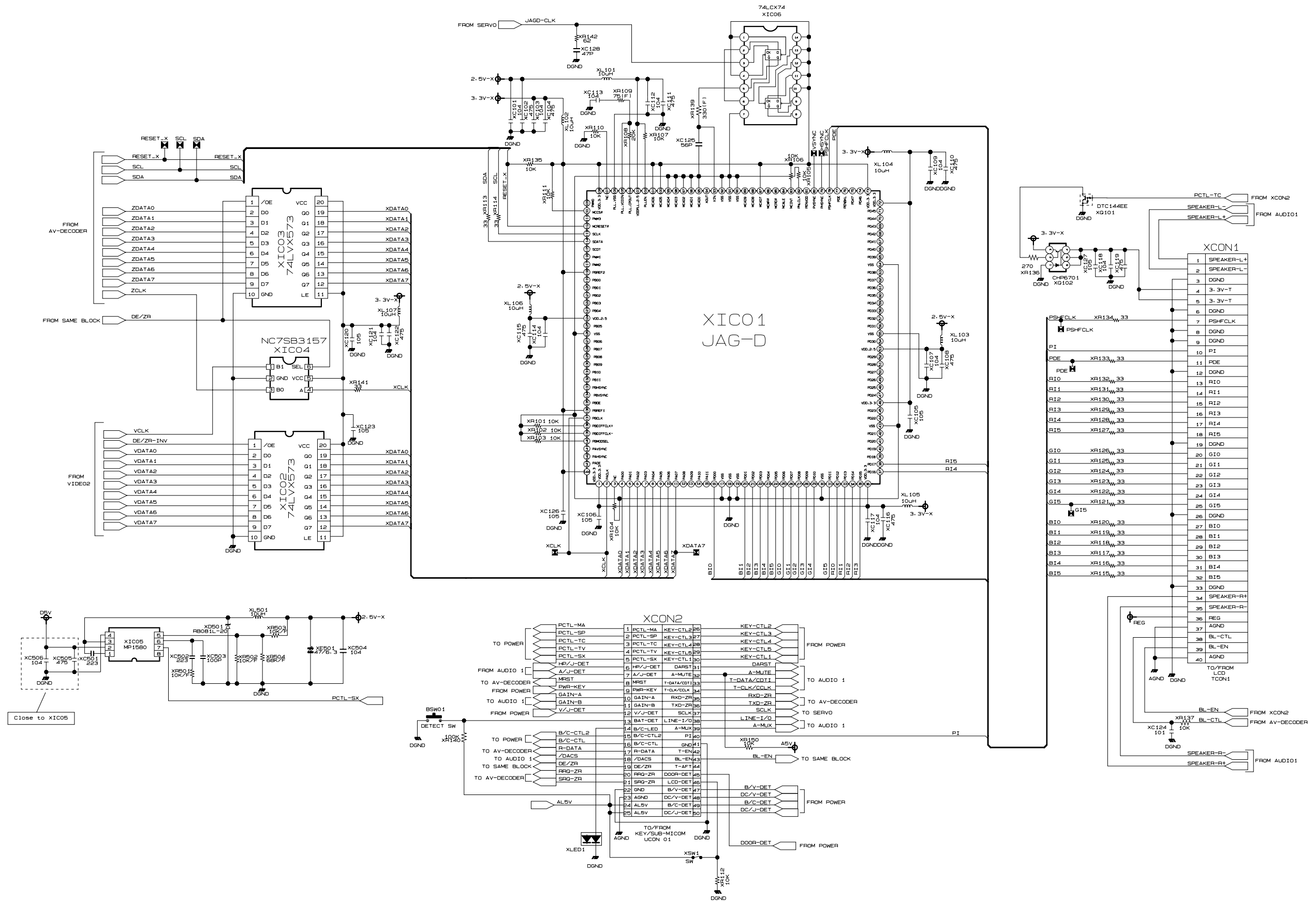
6-6 Video 2 (Main A PCB)



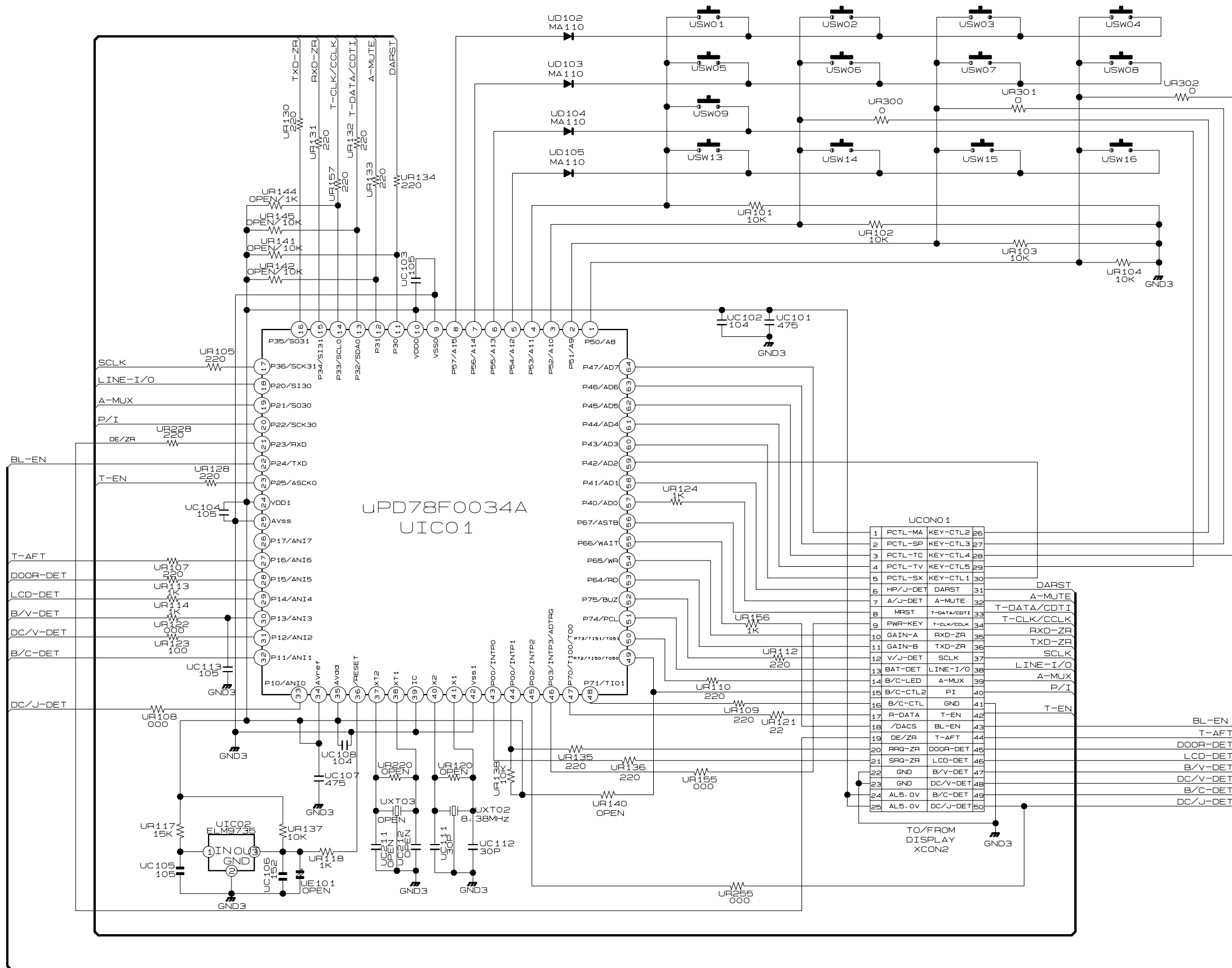
6-7 Audio 1 (Main A PCB)



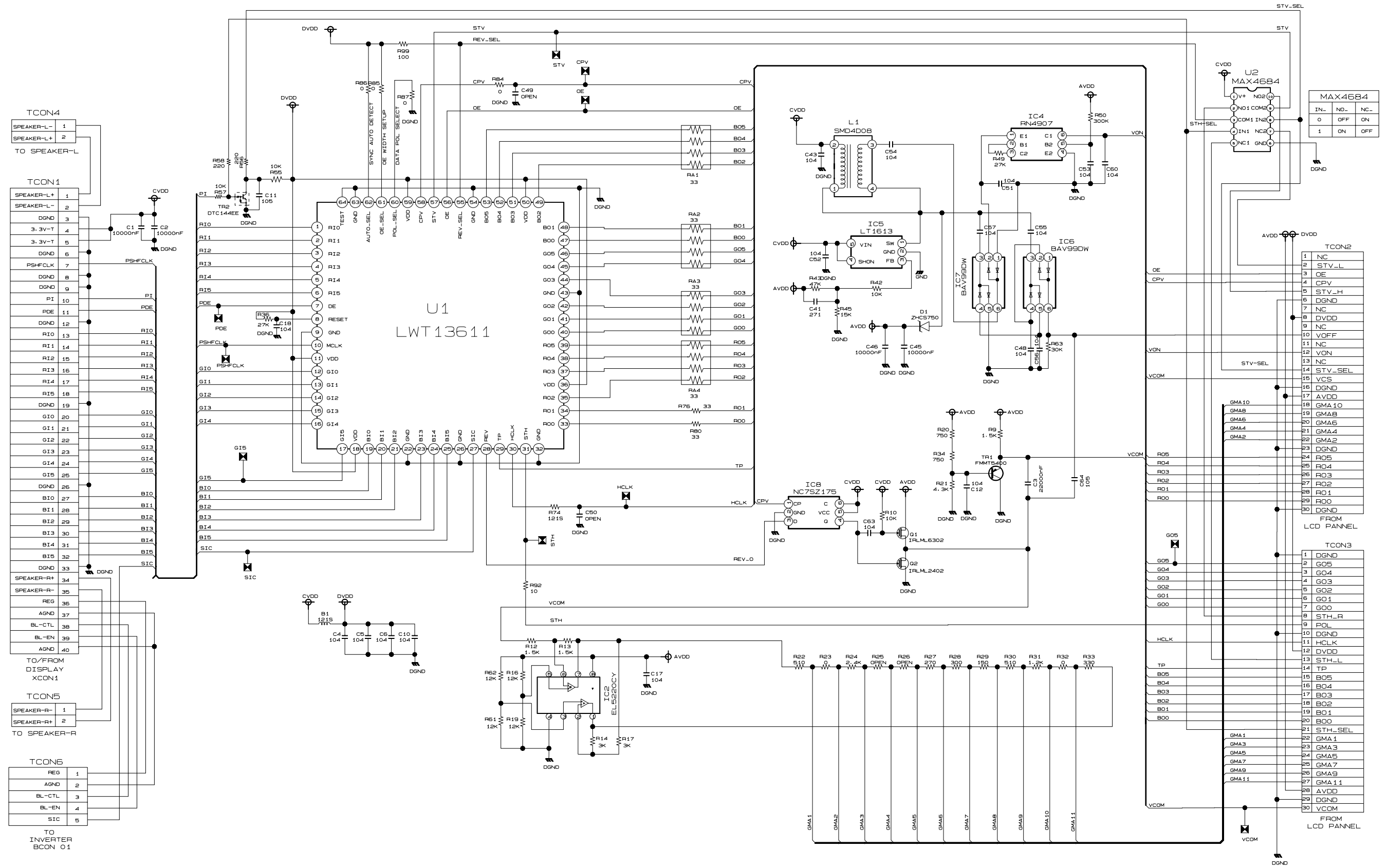
6-8 Display (Main A PCB)



6-9 Key/Sub-Micom



6-10 LCD



6-11 Inverter

